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FISHERY INDUSTRIES OF THE UNITED STATES 1925

By OSCAR E. SETTE

DEPARTMENT OF COMMERCE

Bureau of Fisheries Document No. 1010

DEPARTMENT OF COMMERCE
BUREAU OF FISHERIES
HENRY O'MALLEY, Commissioner

FISHERY INDUSTRIES OF THE UNITED STATES 1925

By OSCAR E. SETTE
Assistant in Charge, Division of Fishery Industries

APPENDIX V TO THE REPORT OF THE U. S. COMMISSIONER OF FISHERIES FOR 1926

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FISHERY INDUSTRIES OF THE UNITED STATES, 1925[1]

By Oscar E. Sette

Assistant in Charge, Division of Fishery Industries

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REVIEW OF CONDITIONS IN THE FISHERY INDUSTRIES, 1925

While the year 1925 marked no spectacular changes in the fishing industry, it compared very favorably with the immediately previous years. Vessel landings at the New England ports were above normal in quantity due to unusually large landings of mackerel and haddock. Although the average price declined slightly, the total value of products was substantially greater than in 1924. Seattle landings were somewhat below those of 1924 in quantity and value. The canning industry produced greater quantities of nearly all varieties of canned fishery products, the total value being considerably above that of recent years. By-products also were produced in larger quantities and were of higher value. There was a 6 per cent reduction in the amount of fish frozen, accounted for largely by the exceptionally poor catch of ciscoes on the Great Lakes. The average holdings also were lower than in 1924, though considerably above the 5-year average. Exports of domestic edible fishery products showed an upward trend, while imports for consumption were lower, the increase or decrease in each case being slight.

According to the most recent statistics available for the various geographical sections of the United States and Alaska, the fisheries and fishery industries employ over 191,000 persons and represent an investment of nearly $201,638,000. The annual sales of fishery products by fishermen amount to about 2,878,000,000 pounds, valued

[1] Appendix V to the Report of the United States Commissioner of Fisheries for 1926. B. F. Doc. 1010.

at about $97,500,000. The output of canned fishery products and by-products in 1925 was valued at $95,177,000. The amount of fish frozen during the year was about 91,165,000 pounds, and the average monthly holdings of frozen fish were about 44,084,000 pounds. In the foreign trade of the United States the domestic exports of fishery products attained a value of nearly $21,263,000, and the imports for consumption totaled nearly $49,031,000. A large portion of the unfavorable balance is accounted for by the importation of large amounts of pearl-shell products and whale oils, which is not offset by an appreciable exportation of similar products.

Statistical summary of fisheries of the United States and Alaska

Sections	Persons engaged	Capital invested	Products	
	Number		*Pounds*	*Value*
New England States, 1924	24, 513	$28, 561, 824	406, 822, 165	$18, 818, 132
Middle Atlantic States, 1920–21	55, 244	38, 774, 431	863, 681, 626	24, 407, 785
South Atlantic States, 1923	16, 298	8, 505, 259	228, 747, 930	5, 087, 340
Gulf States, 1923	17, 793	10, 535, 905	160, 324, 042	8, 096, 650
Pacific Coast States, 1922–23	22, 270	28, 651, 490	409, 914, 397	18, 935, 136
Mississippi River division, 1922	19, 122	7, 345, 034	105, 733, 734	4, 503, 521
Great Lakes, 1922	8, 039	12, 046, 458	108, 732, 443	6, 689, 611
Lake of the Woods and Rainy Lake, 1922	123	139, 955	1, 677, 999	110, 022
Alaska, 1925	27, 685	67, 077, 495	594, 901, 143	10, 232, 042
Total various years, 1920–1925	191, 087	201, 637, 851	2, 880, 535, 479	96, 880, 239

NOTE.—In the statistics for the Pacific Coast States in this table the persons and investment are for 1922 and the products are for 1923.

The fishery industries as a whole seem to be in a more prosperous and stable condition than in any year since the postwar depression. They are making perceptible progress in the improvement of technological methods also.

In the fresh-fish field there has been a large increase both in the total amount of fish filleted and in the number of concerns throughout the country that have begun this practice. This improved method of marketing is doing much to popularize and increase the consumption of fish. It also tends to eliminate waste by concentrating large enough amounts of offal in one place to make its manufacture into fish meal profitable. The bureau has shown the industry how to utilize this material to good profit.

The quality of canned salmon was better and the improvement in Maine sardines was particularly marked. The new process of preparing sardines, developed by the bureau, is now being adopted and will help in improving their quality. In California machines for cutting sardines are coming into use. This will help to lower costs and free the canners from labor difficulties. In California, too, the canners voluntarily asked the State board of health to include their establishments in the regular inspection of canning establishments.

In the menhaden industry definite steps have been taken toward improving the quality of fish meal and oil by installing refrigerating machinery for brine cooling fish aboard ship. Steamers so equipped can be operated to much better advantage because it is seldom necessary to return to port without a reasonable load of fish. Also, it is possible to go to the best fishing grounds instead of being compelled to fish close to the factory.

The fishing industry made definite plans for carrying on a national campaign to increase the consumption of fish. This should bring about valuable changes, as a good part of their efforts are to be expended in improving technological practices.

SUMMARY OF OPERATIONS

STATISTICS

Monthly and annual statistics were collected and published regularly during 1925, as follows: The collection and monthly publication of the statistics of the landings of fish by vessels at the ports of Boston and Gloucester, Mass.; Portland, Me.; and Seattle, Wash.; with publication of annual bulletins summarizing these landings for the year; monthly publication of statistics on the cold-storage holdings of fish collected by the Bureau of Agricultural Economics, Department of Agriculture; collection of the statistics of quarterly production, consumption, and holdings of oils in the fishery industries for the use of the Bureau of the Census; collection and publication of the statistics on the production of canned fishery products and by-products of the United States and Alaska for 1925; collection of statistics on the shad and alewife fishery of the Potomac River for 1925; collection of statistics of the shad fishery of the Hudson River for 1923 and 1924; and the securing of statistics on the quantities and value of sponges handled by the Tarpon Springs Sponge Exchange.

General statistics on the fisheries of the Gulf States for 1923, which were collected during 1924, were compiled during the past year and published in summary form. A complete and detailed account is contained in this report. The fisheries of the New England States were canvassed and compiled for 1924 and are included in this report.

With the completion of the above-mentioned statistics the following geographical sections will have been canvassed for the years indicated: New England States, 1924; New York, New Jersey, Pennsylvania, and Delaware, 1921; Maryland and Virginia, 1920; South Atlantic and Gulf States, 1923; Pacific Coast States, 1922; Great Lakes and Mississippi River and tributaries, 1922.

The system used in collecting statistics for various geographic sections at intervals of several years is unsatisfactory, especially from the standpoint of the fishery conservationist and administrator. Some fisheries are particularly subject to extraordinary fluctuations. The catch of a single species in one year may be double that in the next, and with statistics available only at intervals of about five years it is exceedingly improbable that they depict the true nature of the trend. If in one survey an unusually productive year be chanced upon and if about five years later a poor year be encountered, it would look as though the fishery were in an alarming condition. If, on the contrary, the first survey was made in a poor year and the next one in a good year, the reverse would be true. As a matter of fact neither conclusion would be correct. Of course, over a long period of time—say, 30 years—a progressive decline would be reflected in the periodic statistics; but in a relatively short period—say, a decade—only annual statistics could truthfully show the trend in the yield of the fisheries. Unless a decline in catch were detected

in a relatively short time it would be impossible to meet the need for protection intelligently and preserve the fishery for future years.

As the primary function of the Bureau of Fisheries is the direction of conservation activities, this lack of vital statistical information should not be permitted to continue. Means of supplying the necessary data have been canvassed thoroughly, and it is believed that rectification must, in part, be the duty of the States.

The fisheries are the property of the individual States. Most of these have assumed the responsibility of regulation and patrol. Thus, if their fisheries fail, the States themselves are responsible; and if they prosper, it will be due largely to the wisdom and farsightedness of State administrators. Adequate statistics are indispensable in the conservation of the fisheries, and the entire responsibility for their collection can not be shifted to the Federal Government. The duty of collecting such records plainly devolves upon the State governments. The Bureau of Fisheries, with its limited funds and personnel, has been able to meet the demands of the situation to a limited extent, but it is incapable of collecting statistics annually and in such detail as is required. It can, however, properly assume the task of coordinating the statistics collected by the States and is already active in this field. In one region (the Pacific coast) there has been sufficient progress to make it possible for the bureau to summarize the statistics collected by supplementing them with a limited amount of field work. The results of this effort, applied to the year 1923, appeared in the Fisheries Industries Report for 1924, and the work has continued during the past year in collecting and compiling statistics for 1924.

Statistics of the crab fishery.—Investigations of the crab fishery of the Chesapeake Bay, mentioned in the last report, were continued during 1925, the States of Maryland and Virginia cooperating by contributing the services of one man, each, to work under the direction of the Bureau of Fisheries. This investigation was undertaken in order to meet urgent demands on the part of the crab industry for an investigation that should yield the information necessary to halt the decline in the yield of crabs that was felt severely at that time. As many of the important biological features of the blue crab had been studied carefully and now are well understood, the present investigation was mainly of a statistical nature. The following questions demanded answers: 1. Is the abundance of crabs actually declining? 2. Are the crab supplies of Maryland and Virginia independent of each other? 3. Is there preventable waste in the practices of the crab fisheries and industries? 4. What recommendations can be advanced to effect a remedy?

The first question, as to abundance, was found to be somewhat difficult to answer. The total yield shown by the periodical canvasses of Maryland and Virginia indicated a sharp decline when 1915 and 1920 statistics were compared. There were no statistics, however, for the intervening years nor for years since 1920, and because the total yield is not a good indicator of abundance it was found necessary to collect further statistics on this subject. From the books of several concerns it was found possible to determine the average catch per boat, annually, back to 1917 in the dredge fishery and to 1919 in the trot-line fishery. These, together with previously published statistics on the average catch per boat, indi-

cated that a sharp decline in the fishery occurred subsequent to 1908 and reached one of its lowest marks in 1915. Since then there have been rather large fluctuations in the average yield per boat, but the general tendency has been downward. This has established, beyond reasonable doubt, the fact that there has been a considerable decline in abundance during the past 18 years.

In answer to the second question, with regard to the independence of the Maryland and Virginia fisheries, similar statistics on average catch per boat indicated that the fisheries in the two States were interdependent, for it was found that when a good season was experienced in Maryland there was also a good one in Virginia, and the poor years likewise coincided. This was shown by the life-history studies of Churchill.[2] He found that spawning occurred mainly in Virginia waters, that the young gradually moved up the bay into Maryland waters as they grew, and that when maturity was reached most of the females migrated back to Virginia waters to spawn. In order to corroborate this some tagging experiments were undertaken. The one in which 1,000 tagged crabs were released in Maryland waters in the fall of 1925 yielded data of great interest. Twelve of the crabs so released migrated southward into Virginia waters, where they were recaptured by dredges. All but one were females. Actual count of over 9,000 matured crabs taken in the dredge fishery throughout the season of 1924–25 showed that 77 per cent were females. The reverse was true in Maryland, where 69 per cent of the trot-line crabs were males. Thus, four lines of investigation all pointed to the same conclusion—that Maryland and Virginia are interdependent so far as the crab fishery is concerned.

In answer to the third question, as to waste, by taking statistics on the number of "peeler" crabs bought by the shedder houses and the number of soft crabs sold by them it was found that in the season of 1924 an average of 53 per cent was lost before moulting. This constituted the most important loss in the fishery. Second in importance as a loss to the fishery was the taking of buckram crabs. These are of no economic value whatsoever, but if allowed to remain in the water would become valuable hard crabs.

In order, therefore, to halt the decline in abundance of crabs, the following recommendations were made: (1) That the taking of sponge crabs be prohibited at all times; (2) that the extent of all forms of crab fishing be reduced 30 per cent; (3) that in order to prevent waste all crabs having a new soft shell fully formed under the outer hard shell be designated "peeler" crabs; (4) that none but "peeler" crabs be accepted by shedder houses; and (5) that the taking of buckram crabs be prohibited at all times.

In order to ascertain the effect these changes would have, it was recommended further that provision be made for the collection of statistics and biological data throughout future years; and in order that the findings might be acted upon it was recommended that the State fish commissions be empowered to change regulations, subject to the approval of their respective governments.

The complete report, setting forth the results of the investigations and including these recommendations, was distributed throughout

[2] Life history of the Blue Crab, by E. P. Churchill, jr. Bulletin U. S. Bureau of Fisheries, Vol. XXXVI, 1917–18 (1919), pp. 91–128, 2 text figs., Pls. XLVII–LV, Bureau of Fisheries Document No. 870. Washington.

the crabbing industry and was furnished other interested persons, and as a result during its last session the legislature of Virginia passed a law for the protection of sponge and buckram crabs and adequately defining the "peeler" crabs. It is fully expected that these recommendations will be acted upon in Maryland, also, when its legislature next meets. Arrangements have been made to carry on the collection of statistics of the crab fishery with the cooperation of the two States.

Statistics of the mackerel fishery.—One of the greatest difficulties encountered in the important mackerel fishery of the Atlantic coast is the extraordinary fluctuation in the abundance of this fish. The uncertainty as to whether or not the fish will be abundant in any season has caused great loss to the fishermen in outfitting themselves for fishing as well as alternate disastrous gluts and periods of scarcity in the market, which can not be avoided unless some means of forecasting the supply can be devised. At present nothing definite is known as to the nature of these fluctuations except with regard to their magnitude, but fisheries science has progressed to the point where the character and causes of such fluctuations make understanding and forecasting possible if suitable statistics on the amount, character, and the fishing effort involved in producing the yield are available. The foundation for obtaining such statistics was laid in 1925. The work done in that year necessarily was of a preliminary nature, but as a result it was found that it will be necessary to take two major series of statistics—the first on the fishing effort and the yield, collected so as to permit of separate compilation for the various fishing localities; and the second on the sizes of mackerel, based on representative samples of the catch taken continuously throughout the season in all of the more important regions.

In making this preliminary survey advantage was taken of every possible opportunity to cooperate with the division of scientific inquiry in the collection of biological data, and during the course of the survey much material for a study of the life history of the mackerel and its migrations was collected.

TECHNOLOGICAL INVESTIGATIONS

Conservation should be applied to fishery products as well as to fish life. If there be waste in preserving and marketing fish or in making use of by-products, true conservation is not effected. The bureau is doing much through technological research to bring about more efficient utilization of fishery products by improving existing and developing new and better equipment, methods, products, and practices within the various branches of the fishing industry, and by demonstrating the proper utilization of wastes and by-products. Few realize the importance of well-directed, adequately supported technological research. Rapid progress in industry, and this applies particularly to the fisheries industries, depends largely on such work combined with the application of sound business principles.

Work was continued throughout the year on three major lines of research—preservation of nets, canning of sardines, and utilization of by-products. Steps also were taken toward improving American methods of manufacturing caviar. Progress only will be reported upon here, as these investigations were discussed at length in the report for 1924.

Canning of sardines.—Efforts to bring about the commercial development of a new process of preparing sardines developed by the bureau are meeting with success. Two small plants in Maine and one in Canada erected equipment and used the new process, and the product prepared by them is being received favorably.

Preservation of nets.—Large-scale practical tests of copper oleate and copper oleate-copper paint mixtures were conducted in cooperation with fishermen at several points on the Atlantic coast. These tests, which are still under way, are being made to show the real saving that can be achieved from the proper application of copper compounds to different kinds of gear and to learn, if possible, how to lower the cost of treatment. They will have to be continued at least one season longer before conclusive results can be obtained.

Utilization of by-products.—Methods of manufacturing fish meal and oil in the United States were studied thoroughly during the first half of the year. Research was then begun to reduce the losses in protein and oil wasted in press liquors now discarded. This work must be carried further before a report can be made upon it.

As a sanitary measure, the State of Texas has considered requiring all shrimp canners to utilize their waste products. When informed of this, the bureau, cooperating with the State, studied the situation and advised what kind of process and equipment were best suited for this purpose. It was possible, also, to show that a reasonable profit usually could be made from such operations. Similar attention was given to the utilization of market waste, in particular the waste from haddock-filleting operations. This work is being continued.

Preparation of sturgeon caviar.—During the sturgeon season on the Delaware River the bureau took advantage of an opportunity to give demonstrations before fishermen and others of the Russian method of preparing caviar. Such instruction was given at a number of places by a Russian skilled in foreign methods. Russian caviar is of the highest quality, and a knowledge of the methods used in its preparation will assist American fishermen in making caviar of high quality.

PUBLICATIONS OF THE DIVISION

During the calendar year 1925 the following publications, prepared in this division, were issued. This list does not include the monthly statistical bulletins for Boston and Gloucester, Mass., Portland, Me., and Seattle, Wash., nor the monthly publication of the cold-storage holdings of frozen fish.

DOCUMENTS

Iodine content of preserved sea foods. By Arthur W. Wells. 8°, 4 pp. Document No. 979.

Mild curing of salmon in California. By W. L. Scofield. 8°, 14 pp. Document No. 983.

Pearl Essence: Its history, chemistry, and technology. By Harden F. Taylor. 8°, 22 pp., 1 fig. Document No. 989.

STATISTICAL BULLETINS

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Seattle, Wash., by American fishing vessels during the calendar year 1924. Statistical Bulletin No. 641.

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels during the calendar year 1924. Statistical Bulletin No. 642.

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels during the calendar year 1924. Statistical Bulletin No. 643.

Pacific coast salmon pack, 1924. Statistical bulletin.

Fisheries of the Pacific Coast States, 1922. Statistical Bulletin No. 647.

Fisheries of the United States, 1918–1923. Statistical Bulletin No. 648.

Fisheries of the South Atlantic States, 1923. Statistical Bulletin No. 652.

Canned fishery products and by-products of the United States and Alaska, 1924. Statistical Bulletin No. 657.

Fisheries of Alaska, 1924. Statistical Bulletin No. 660.

Fisheries of the Gulf States, 1923. Statistical Bulletin No. 670.

CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE UNITED STATES AND ALASKA IN 1925

The fish-canning and by-products industries experienced a most satisfactory year during 1925, producing $80,577,138 worth of canned products and $14,600,198 worth of by-products, a total of $95,177,336. This is the largest total in recent years and is 73 per cent greater than in 1921. Both canned fishery products and the by-products contributed to this increase through substantial gains in the value of canned salmon, sardines, tuna, and oysters and the increased production of the by-products of the sardine industry in California and the herring industry in Alaska.

Comparative statistics of the value of canned fishery products and by-products of the United States and Alaska, 1921 to 1925

Year	Canned products	By-products (including menhaden)	Total
1921	$46,634,706	$8,351,827	$54,986,533
1922	60,464,947	11,390,693	71,855,640
1923	72,445,205	12,634,590	85,079,795
1924	72,164,589	10,308,990	82,473,579
1925	80,577,138	14,600,198	95,177,336

CANNED PRODUCTS

With the exception of shrimps and clams, the value of all of the more important canned products was greater in 1925 than in 1924 and a few years previous. Salmon, as usual, was the most important item, constituting 59 per cent of the value; sardines were next with 16 per cent, tuna next with 10 per cent, and oysters, shrimp, clams, and other miscellaneous products made up the remaining 15 per cent.

Comparative statistics of the value of canned fishery products, 1921 to 1925, inclusive

Year	Salmon	Sardine	Tuna	Oyster	Shrimp	Clam	Other	Total
1921	$28,867,169	$6,307,362	$3,074,626	$2,179,271	$3,804,781	$1,166,507	$1,234,990	$46,634,706
1922	38,420,717	9,111,589	4,511,873	2,423,616	3,064,087	1,716,365	1,216,700	60,464,947
1923	45,533,573	9,896,796	6,914,760	2,720,073	4,381,534	1,710,616	1,287,853	72,445,205
1924	42,401,602	12,636,599	5,756,586	2,478,044	4,608,950	2,161,389	2,121,419	72,164,589
1925	47,369,507	13,097,318	8,499,080	3,721,159	3,782,819	1,850,378	2,256,877	80,577,138

Salmon.—In 1925 salmon were packed at 129 canneries in Alaska, 41 in Washington, 20 in Oregon, and 2 in California. Compared with the previous year, this was an increase of 6 plants in Alaska and 9 in Washington and a decrease of 2 in Oregon. The combined output of the 192 plants operated in 1925 amounted to 6,018,550 cases, valued at $47,369,507. Of this total 1,558,613 cases, valued at $15,379,976, were produced in the Pacific Coast States, and 4,459,937 cases, valued at $31,989,531, were packed in Alaska. The Alaska pack was somewhat smaller than in the previous year, mainly because of a decreased yield of red and pink salmon. Although the pack in the Pacific Coast States was larger than in 1924, the increase was not sufficient to offset the smaller Alaska pack, so that the total pack of 1925 was smaller than that of 1924 by 235,027 cases, or 3.8 per cent. This decrease in quantity was more than compensated by increased prices, making the total value of the pack greater than that of the previous year by $4,967,905, or 11.7 per cent.

Pack of canned salmon, Pacific Coast States and Alaska, 1925

Products	Pacific Coast States						Alaska	
	Washington		Oregon and California		Total		Southeast	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
King, chinook, or spring:								
1-pound tall	38,077	$308,676	21,733	$169,365	59,810	$478,041	6,594	$69,841
1-pound flat	43,274	588,836	94,548	1,252,920	137,822	1,841,756	4,663	63,734
1-pound oval	563	11,260	4,012	80,230	4,575	91,490		
½-pound flat and oval	86,296	1,324,673	144,135	2,254,059	230,431	3,578,732	748	12,704
Total	168,210	2,233,445	264,428	3,756,574	432,638	5,990,019	12,005	146,279
Red or sockeye:								
1-pound tall	3,412	48,450			3,412	48,450	108,499	1,353,656
1-pound flat	24,505	352,872			24,505	352,872	6,242	85,289
½-pound flat	86,343	1,588,707	4,127	75,946	90,470	1,664,653	28,947	463,309
Total	114,260	1,990,029	4,127	75,946	118,387	2,065,975	143,688	1,902,254
Coho or silver:								
1-pound tall	138,115	1,408,773	37,539	369,384	175,654	1,778,157	81,592	778,462
1-pound flat	30,093	331,023	30,053	288,509	60,146	619,532	3,960	44,472
½-pound flat	35,729	500,213	36,038	415,158	71,767	915,371	5,800	89,810
Total	203,937	2,240,009	103,630	1,073,051	307,567	3,313,060	91,352	912,744
Humpback or pink:								
1-pound tall	448,502	2,381,546	2,947	15,649	451,449	2,397,195	1,680,101	8,850,421
1-pound flat	34,284	205,704	780	4,680	35,064	210,384	185	928
½-pound flat	64,734	543,765	128	998	64,862	544,763	27,170	213,360
Total	547,520	3,131,015	3,855	21,327	551,375	3,152,342	1,707,456	9,064,709
Chum or keta:								
1-pound tall	78,300	346,086	26,498	116,591	104,798	462,677	845,008	3,705,085
1-pound flat	167	768	72	331	239	1,099		
½-pound flat	18,736	117,658	9,595	59,876	28,331	177,534	2,905	20,133
Total	97,203	464,512	36,165	176,798	133,368	641,310	847,913	3,725,218
Steelhead:								
1-pound tall	70	910	507	6,591	577	7,501		
1-pound flat	173	2,318	9,511	127,447	9,684	129,765		
½-pound flat and oval	1,081	17,300	3,936	62,704	5,017	80,004		
Total	1,324	20,528	13,954	196,742	15,278	217,270		
Grand total	1,132,454	10,079,538	426,159	5,300,438	1,558,613	15,379,976	2,802,414	15,751,204

Pack of canned salmon, Pacific Coast States and Alaska, 1925—Continued

Products	Alaska—Continued						Grand total	
	Central		Western		Total			
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
King, chinook, or spring:								
1-pound tall	13,328	$152,107	18,473	$217,852	38,395	$439,800	98,205	$917,841
1-pound flat	3,965	48,354	200	1,500	8,828	113,588	146,650	1,955,344
1-pound oval							4,575	91,490
½-pound flat and oval	2,007	28,949			2,755	41,653	233,186	3,620,385
Total	19,300	229,410	18,673	219,352	49,978	595,041	482,616	6,585,060
Red or sockeye:								
1-pound tall	316,368	4,107,698	537,151	6,918,868	962,018	12,380,222	965,430	12,428,672
1-pound flat	20,195	264,986	2,320	29,607	28,757	379,882	53,262	732,754
½-pound flat	25,175	430,618	14,779	250,568	68,901	1,144,495	159,371	2,809,148
Total	361,738	4,803,302	554,250	7,199,043	1,059,676	13,904,599	1,178,063	15,970,574
Coho or silver:								
1-pound tall	63,696	596,254	1,354	13,901	146,642	1,388,617	322,296	3,166,774
1-pound flat	3,263	27,714			7,223	72,186	67,369	691,718
½-pound flat	1,330	14,906	15	240	7,145	104,956	78,912	1,020,327
Total	68,289	638,874	1,369	14,141	161,010	1,565,759	468,577	4,878,819
Humpback or pink:								
1-pound tall	396,157	2,025,523	145	678	2,076,403	10,876,622	2,527,852	13,273,817
1-pound flat					185	928	35,249	211,312
½-pound flat	6,835	46,192			34,005	259,552	98,867	804,315
Total	402,992	2,071,715	145	678	2,110,593	11,137,102	2,661,968	14,289,444
Chum or keta:								
1-pound tall	200,128	923,290	30,493	137,646	1,075,629	4,766,021	1,180,427	5,228,698
1-pound flat							239	1,099
½-pound flat	146	876			3,051	21,009	31,382	198,543
Total	200,274	924,166	30,493	137,646	1,078,680	4,787,030	1,212,048	5,428,340
Steelhead:								
1-pound tall							577	7,501
1-pound flat							9,684	129,765
½-pound flat and oval							5,017	80,004
Total							15,278	217,270
Grand total	1,052,593	8,667,467	604,930	7,570,860	4,459,937	31,989,531	6,018,550	47,369,507

NOTE.—The pack of salmon has been reduced to the equivalent of forty-eight 1-pound cans to the case. There were other salmon products, valued at $129,270, not shown in the above table.

Comparative statistics of the pack of salmon in the Pacific Coast States, 1921 to 1925

Year	King, chinook, or spring		Red or sockeye		Coho or silver		Humpback or pink	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	335,854	$4,527,711	104,954	$1,905,647	111,643	$806,678	402,846	$1,732,847
1922	314,126	4,572,607	97,927	1,816,901	204,262	1,533,173	3,551	18,546
1923	384,705	5,790,419	105,336	1,955,549	245,548	1,608,627	445,175	2,211,742
1924	349,014	4,599,759	85,800	1,478,698	231,139	1,774,078	12,778	79,436
1925	432,638	5,990,019	118,387	2,065,975	307,567	3,313,060	551,375	3,152,342

Year	Chum or keta		Steelhead		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	35,132	$127,659	12,519	$133,883	1,002,948	$9,234,425
1922	87,583	365,303	25,797	326,994	733,246	8,633,524
1923	154,342	769,839	32,157	324,390	1,367,263	12,660,566
1924	247,858	1,192,156	32,073	270,340	958,662	9,394,467
1925	133,368	641,310	15,278	217,270	1,558,613	15,379,976

Comparative statistics of the salmon pack in Alaska, 1921 to 1925

Year	King, chinook, or spring		Red or sockeye		Coho or silver	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	44, 994	$459, 897	1, 765, 798	$15, 841, 404	106, 555	$600, 140
1922	30, 660	247, 673	2, 070, 658	19, 135, 696	175, 993	962, 790
1923	38, 343	328, 270	1, 859, 496	17, 253, 792	164, 107	943, 318
1924	33, 648	299, 009	1, 447, 895	13, 803, 932	183, 601	1, 254, 551
1925	49, 978	595, 041	1, 059, 676	13, 904, 599	161, 010	1, 565, 759

Year	Humpback or pink		Chum or keta		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	423, 994	$1, 788, 778	255, 495	$942, 525	2, 596, 826	$19, 632, 744
1922	1, 658, 423	7, 189, 494	565, 918	2, 251, 540	4, 501, 652	29, 787, 193
1923	2, 448, 129	11, 899, 956	525, 622	2, 447, 671	5, 035, 697	32, 873, 007
1924	2, 601, 283	12, 837, 346	1, 028, 488	4, 812, 297	5, 294, 915	33, 007, 135
1925	2, 110, 593	11, 137, 102	1, 078, 680	4, 787, 030	4, 459, 937	31, 989, 531

Comparative statistics of the salmon pack in the United States and Alaska, 1921 to 1925

Year	Pacific Coast States		Alaska		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	1, 002, 948	$9, 234, 425	2, 596, 826	$19, 632, 744	3, 599, 774	$28, 867, 169
1922	733, 246	8, 633, 524	4, 501, 652	29, 787, 193	5, 234, 898	38, 420, 717
1923	1, 367, 263	12, 660, 566	5, 035, 697	32, 873, 007	6, 402, 960	45, 533, 573
1924	958, 662	9, 394, 467	5, 294, 915	33, 007, 135	6, 253, 577	42, 401, 602
1925	1, 558, 613	15, 379, 976	4, 459, 937	31, 989, 531	6, 018, 550	47, 369, 507

Sardines.—In 1925 there were 31 plants in Maine, 1 in Massachusetts, and 26 in California engaged in the canning of sardines. The production in Maine and Massachusetts amounted to 1,870,786 standard cases of one hundred ¼-pound cans, valued at $6,716,701, a decrease of 29,139 cases, or 1.5 per cent, in quantity and $474,325, or 6.6 per cent, in value as compared with 1924. In California the production totaled 1,714,913 standard cases of forty-eight 1-pound cans, valued at $6,380,617, an increase of 347,774 cases, or 25.4 per cent, in quantity and $935,044, or 17.2 per cent, in value as compared with 1924.

Pack of sardines, 1925

Sardines (herring)	Maine and Massachusetts		Sardines (pilchard)	California	
	Cases	*Value*		*Cases*	*Value*
In olive oil: Quarters (100 cans)	29, 568	$128, 025	½-pound oval (48 cans)[1]	30, 159	$91, 378
In cottonseed oil: Quarters (100 cans)	1, 386, 285	5, 257, 175	1-pound oval (48 cans):		
In mustard:			In tomato sauce	1, 600, 662	5, 706, 446
Quarters (100 cans)	138, 242	532, 150	In mustard	57, 242	209, 141
Three-quarters (48 cans)	208, 923	730, 197	Soused	5, 508	20, 455
In tomato sauce: Quarters (100 cans)	15, 842	69, 154	In other sauces	14, 324	51, 066
			¼-pound square (100 cans)[2]	28, 507	236, 951
			½-pound square (100 cans)[2]	[3] 6, 960	65, 180
Total	1, 778, 860	6, 716, 701	Total	1, 743, 362	6, 380, 617
Total (standard cases)[4]	1, 870, 786		Total (standard cases)[5]	1, 714, 913	

[1] Largely in tomato sauce.
[2] Largely in olive oil.
[3] Includes a few cases packed in 6-ounce tall cans, 100 to the case, and also a few cases packed in 8½-ounce glass jars, 24 to the case, which have been converted to a basis of ½-pound cans, 100 to the case.
[4] Standard case equals one hundred ¼-pound cans.
[5] Standard case equals forty-eight 1-pound cans.

Comparative statistics of the pack of sardines, 1921 to 1925

Year	Maine and Massachusetts		California	
	Cases [1]	*Value*	*Cases* [2]	*Value*
1921	1,399,507	$3,960,916	398,668	$2,346,446
1922	1,869,719	5,750,109	715,364	3,361,480
1923	1,272,277	5,288,865	1,100,162	4,607,931
1924	1,899,925	7,191,026	1,367,139	5,445,573
1925	1,870,786	6,716,701	1,714,913	6,380,617

[1] Standard cases of one hundred ¼-pound cans.
[2] Standard cases of forty-eight 1-pound cans.

Shad and alewives.—Shad and shad roe were canned at 7 plants in Washington, 9 in Oregon, and 1 in California, the production amounting to 14,999 standard cases of forty-eight 1-pound cans, valued at $154,446, of which 12,569 cases, valued at $53,875, were shad and 2,430 cases, valued at $100,571, were shad roe.

Alewives and alewife roe were canned at 6 plants in Maryland, 23 in Virginia, and 2 in North Carolina. The total output amounted to 84,548 standard cases of twenty-four 15-ounce cans, valued at $255,506, of which 9,491 cases, valued at $15,045, were alewives and 75,057 cases, valued at $240,461, were alewife roe.

The packs of these products have increased considerably during the last five years. Though the 1925 pack of alewife roe was somewhat smaller than that of 1924, it was considerably larger than the packs of the previous three years.

Pack of shad and alewives, 1925

Shad	Washington, Oregon, and California		Alewives	Maryland, Virginia, and North Carolina	
	Cases	*Value*		*Cases*	*Value*
½-pound flat (48 cans)	462	$1,447	No. 1 and No. 2 (24 cans)	[1] 9,491	$15,045
1-pound tall (48 cans)	12,338	52,428	Roe: No. ½, No. 1, and No. 2 (24 cans)	[1] 75,057	240,461
Roe:					
½-pound flat (48 cans)	67	1,608			
½-pound oval (48 cans)	4,792	98,963			
Total	17,659	154,446	Total	84,548	255,506
Total (standard cases) [2]	14,999		Total (standard cases) [3]	84,548	

[1] The pack of alewives and alewife roe has been reduced to the equivalent of No. 2, 15-ounce cans, 24 cans to the case.
[2] Standard case equals forty-eight 1-pound cans.
[3] Standard case equals twenty-four 15-ounce cans.

Comparative statistics of the pack of shad and shad roe, 1921 to 1925

Year	Shad		Shad roe		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	641	$2,455	38	$142	679	$2,597
1922	1,781	9,961	292	8,517	2,073	18,478
1923	2,162	37,165	536	16,288	2,698	53,453
1924	6,470	20,461	1,164	72,932	7,634	93,393
1925	12,569	53,875	2,430	100,571	14,999	154,446

NOTE.—Cases have been reduced to the equivalent of forty-eight 1-pound cans.

Comparative statistics of the pack of alewives and alewife roe, 1921 to 1925

Year	Alewives		Alewife roe		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	333	$813	43,316	$157,841	43,649	$158,654
1922	1,043	1,994	38,612	137,514	39,665	139,508
1923	1,145	1,915	43,530	169,435	44,675	171,350
1924	3,306	5,118	88,836	332,245	92,142	337,363
1925	9,491	15,045	75,057	240,461	84,548	255,506

NOTE.—Cases have been converted to the equivalent of twenty-four 15-ounce cans.

Tuna and tunalike fishes.—Tuna and tunalike fishes were canned at 22 plants in California, the total output of which amounted to 1,102,471 standard cases of forty-eight ½-pound cans, valued at $8,499,080. Of this, 490,590 cases, valued at $4,292,018, contained albacore; 261,482 cases, valued at $1,745,338, yellowfin and bluefin tuna; 168,177 cases, valued at $997,697, striped tuna or skipjack; 131,159 cases, valued at $1,212,024, "tonno"; 10,090 cases, valued at $61,207, bonito; 13,484 cases, valued at $70,159, yellowtail; and 27,489 cases, valued at $120,637, tuna flakes. All items except bonito and yellowtail show substantial increases when compared with those of 1924, the aggregate increase amounting to 450,055 cases, or 69 per cent, in quantity and $2,742,494, or 48 per cent, in value.

Pack of tuna and tunalike fishes in California, 1925

Sizes	Albacore		Yellowfin		Bluefin		Tuna, bluefin, and yellowfin		Tuna, striped	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
¼-pound round (48 cans) [1]	45,445	$258,325	19,761	$81,886	3,904	$17,455	32,678	$145,026	20,340	$82,308
½-pound round (48 cans)	356,237	3,109,764	57,526	371,314	39,407	265,440	94,162	610,583	129,151	764,550
1-pound round (48 cans)	55,815	923,929	4,343	50,898	2,698	33,466	14,067	169,270	14,428	150,839
Total	457,497	4,292,018	81,630	504,098	46,009	316,361	140,907	924,879	163,919	997,697
Total (standard cases) [4]	490,590		76,092		46,755		138,635		168,177	

Sizes	"Tonno"		Bonito		Yellowtail		Tuna flakes		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
¼-pound round (48 cans) [1]	228,736	$1,079,338	4,574	$18,658					355,438	$1,682,996
½-pound round (48 cans)	15,905	123,619	[2] 7,803	42,549	10,286	$56,579	[3] 20,221	$86,274	730,698	5,430,672
1-pound round (48 cans)	443	9,067			1,599	13,580	3,634	34,363	97,027	1,385,412
Total	245,084	1,212,024	12,377	61,207	11,885	70,159	23,855	120,637	1,183,163	8,499,080
Total (standard cases) [4]	131,159		10,090		13,484		27,489		1,102,471	

[1] Includes the pack of ⅛-pound round, 96 cans to the case, and ¼-pound round, 72 and 96 cans to the case, and ¼-pound square, 100 cans to the case, which have been converted to the basis of ¼-pound cans, 48 to the case.
[2] Includes a few cases of 1-pound round, which have been converted to a basis of ½-pound round.
[3] Includes a few cases of ¼-pound round, which have been converted to a basis of ½-pound round.
[4] Standard case equals forty-eight ½-pound cans.

Comparative statistics of the pack of tuna and tunalike fishes, 1921 to 1925

Year	Albacore		Bluefin and yellowfin tuna		Striped tuna		"Tonno"	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	456,152	$2,657,266	64,816	$306,486	27,972	$109,929		
1922	296,210	2,304,935	168,874	1,047,621	177,995	942,356	13,714	$139,067
1923	310,037	3,106,329	261,773	1,959,812	96,452	578,254	124,416	1,136,814
1924	416,820	4,024,509	65,941	455,048	43,159	239,198	97,304	861,861
1925 [1]	518,079	4,412,655	261,482	1,745,338	168,177	997,697	131,159	1,212,024

Year	Bonito		Yellowtail		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921			210	$945	549,150	$3,074,626
1922	10,810	$58,900	4,718	18,994	672,321	4,511,873
1923	15,099	77,906	10,059	55,645	817,836	6,914,760
1924	12,899	94,806	16,293	81,164	652,416	5,756,586
1925	10,090	61,207	13,484	70,159	1,102,471	8,499,080

[1] Includes 27,489 cases of tuna flakes, valued at $120,637.

NOTE.—Cases are on the standard basis of forty-eight ½-pound cans.

Shrimp.—In 1925 shrimp were canned at 87 plants, located as follows: North Carolina, 3; South Carolina, 3; Georgia, 11; Florida, 10; Alabama, 7; Mississippi, 20; Louisiana, 27; Texas, 5; and New York, 1. The total production was 735,714 standard cases of 48 No. 1 cans, valued at $3,782,819, an increase of 2 per cent in quantity and a decrease of 18 per cent in value as compared with 1924.

Pack of shrimp, 1925

Sizes	North Carolina, South Carolina, and Georgia		Florida		Alabama		Mississippi	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
No. 1 dry (4 dozen)	[1] 13,329	$77,221	4,506	$25,451	43,612	$195,665	[2] 46,310	$219,697
No. 1 wet (4 dozen)	50,325	267,486	27,461	161,648	41,578	214,599	126,166	575,772
No. 1½ dry (2 dozen)	6,871	36,069	1,095	6,054	2,300	9,875	4,588	29,300
No. 1½ wet (2 dozen)	61	329	375	2,032			625	2,894
Total	70,586	381,105	33,437	195,185	87,490	420,139	177,689	827,663
Total (standard cases) [3]	69,373		33,180		87,087		176,777	

Sizes	Louisiana		Texas		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
No. 1 dry (4 dozen)	[2] 144,879	$695,349	8,706	$47,611	261,342	$1,260,994
No. 1 wet (4 dozen)	143,370	682,058	28,910	147,742	417,810	2,049,305
No. 1½ dry (2 dozen)	14,070	66,133			28,924	147,431
No. 1½ wet (2 dozen)	747	3,739			1,808	8,994
Total	303,066	1,447,279	37,616	195,353	[4] 709,884	[4] 3,466,724
Total (standard cases) [3]	300,473		37,616		704,506	

[1] Includes a few cases packed 4¼ ounces to the can, which have been converted to the equivalent of No. 1, 5-ounce cans.

[2] Includes a few cases packed 4 ounces to the can, which have been converted to the equivalent of No. 1, 5-ounce cans.

[3] Standard case equals 48 No. 1 cans.

[4] In addition to the above, there were packed in 5, 5¼, 5¾, 6¼, and 14-ounce glass jars, and No. 2½, 18-ounce cans, in New York, Florida, Alabama, Mississippi, Louisiana, and Texas, 62,604 cases of shrimp, or 31,208 standard cases, valued at $316,095, making a total of 735,714 standard cases, valued at $3,782,819.

Comparative statistics of the pack of shrimp, 1921 to 1925

Year	Cases	Value	Year	Cases	Value
1921	655,364	$3,804,781	1924	718,517	$4,608,950
1922	579,797	3,064,087	1925	735,714	3,782,819
1923	700,429	4,381,534			

NOTE.—Cases have been reduced to the equivalent of 48 No. 1 cans.

Crabs.—Crabs were canned at 1 plant in Alaska, 1 in Washington, 2 in Virginia, and 1 in Mississippi during 1925. The total output amounted to 4,228 standard cases of twenty-four 15-ounce cans, valued at $52,499. Reference to the table below, which gives statistics for the years 1921 to 1925, shows that while the value of the 1925 pack was greater than that of the previous two years it was only about half that of 1921 and 1922.

Pack of crabs, 1925

Sizes	Alaska, Washington, Virginia, and Mississippi	
	Cases	Value
5, 6, 7½, 8, and 9 ounce (4 dozen)	[1] 2,427	$32,771
14, 15, 16, and 17 ounce (2 dozen)	[2] 1,801	19,728
Total	4,228	52,499
Total (standard cases) [3]	4,228	

[1] The 5, 6, 8, and 9 ounce cans have been converted to the equivalent of 7½-ounce cans, 4 dozen to the case.
[2] The 14, 16, and 17 ounce cans have been converted to the equivalent of 15-ounce cans, 2 dozen to the case.
[3] Standard case equals twenty-four 15-ounce cans.

Comparative statistics of the value of the crab pack, 1921 to 1925

Year	Value	Year	Value
1921	$115,800	1924	$35,944
1922	104,171	1925	52,499
1923	47,023		

Clams.—In 1925 razor clams were packed at 19 plants in Washington, 7 in Oregon, and 12 in Alaska; hard clams at 2 plants in Florida, 1 in Georgia, 1 in South Carolina, 1 in Rhode Island, and 4 in Washington; and soft clams at 23 plants in Maine and 2 in Massachusetts. The total output was 331,586 standard cases of forty-eight 10-ounce cans, valued at $1,850,378, as follows: Razor clams, 110,396 cases, valued at $860,002; hard clams, 38,042 cases, valued at $218,601; soft clams, 32,522 cases, valued at $287,073; and chowders, soups, bouillon, and juices of hard, soft, and razor clams, 150,626 cases, valued at $484,702.

Pack of clams, 1925

Razor clams	Washington and Oregon		Alaska		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
Whole:						
½-pound (4 dozen)	-------	-------	50	$300	50	$300
No. 1 (4 dozen) and No. 2 (2 dozen)	2,169	$27,618	-------	-------	2,169	27,618
1-pound (4 dozen)	2,119	25,428	5,054	36,803	7,173	62,231
5-pound (½ dozen)	-------	-------	597	3,358	597	3,358
Minced:						
½-pound flat (4 dozen)	22,104	154,726	47,248	264,376	69,352	419,102
No. 1 (4 dozen)	16,770	147,576	22,230	187,214	39,000	334,790
No. 2 (2 dozen)	[3] 1,632	12,603	-------	-------	1,632	12,603
Total	44,794	367,951	75,179	492,051	119,973	860,002
Total (standard cases) [4]	41,644	-------	68,752	-------	110,396	-------

Hard clams	Florida and Washington	
	Cases	*Value*
Whole:		
1-pound (4 dozen)	2,769	$19,383
No. 1 (4 dozen)	9,307	66,429
No. 2 (2 dozen)	12,508	71,461
No. 10 (½ dozen)	4,268	23,009
Minced:		
No. 1 (4 dozen)	[1] 2,621	16,935
No. 2 (2 dozen)	[2] 3,721	21,384
Total	35,194	218,601
Total (standard cases) [4]	38,042	-------

Soft clams	Maine and Massachusetts	
	Cases	*Value*
Whole:		
5-ounce (4 dozen)	[5] 42,624	$195,946
8-ounce (4 dozen)	8,790	58,958
10-ounce (2 dozen)	[7] 8,356	32,169
Total	59,770	287,073
Total (standard cases) [4]	32,522	-------

Other hard, soft, and razor clam products	Maine, Massachusetts, Rhode Island, Georgia, South Carolina, Florida, Washington, and Oregon	
	Cases	*Value*
Chowder and soup:		
No. 1 (2 dozen)	75,951	$132,020
No. 1½ and No. 2 (2 dozen)	[6] 49,046	134,521
No. 3 (2 dozen)	38,678	172,574
No. 10 (½ dozen)	1,023	3,889
Bouillon and juice: 10-ounce (4 dozen)	[8] 8,816	41,698
Total	173,514	484,702
Total (standard cases) [4]	150,626	-------

[1] Includes a few cases packed in ½-pound cans, which have been converted to a basis of No. 1 cans.
[2] Includes the pack of No. 10, ½ dozen to the case, which have been converted to a basis of No. 2, 2 dozen to the case.
[3] Includes a few cases packed in 1-pound cans, 4 dozen to the case, which have been converted to a basis of No. 2 cans, 2 dozen to the case.
[4] Standard case equals forty-eight 10-ounce cans.
[5] Includes a few cases packed in 6-ounce cans, 24 to the case, which have been converted to a basis of 5-ounce cans, 48 to the case.
[6] The pack of No. 2 cans, 2 dozen to the case, has been reduced to the equivalent of No. 1½ cans, 2 dozen to the case.
[7] Includes the pack of 9 and 15 ounce cans, which have been converted to a basis of 10-ounce cans.
[8] The pack of clam bouillon and juice was packed in various sizes, all of which were converted to a basis of 10-ounce cans, 4 dozen to the case.

Comparative statistics of the value of canned clams and clam products, 1921 to 1925, inclusive

Year	Razor clams	Hard clams	Soft clams	Clam chowders, juices, etc.	Total
1921	$506,591	$138,699	$338,775	$182,442	$1,166,507
1922	876,364	201,270	327,287	311,444	1,716,365
1923	883,535	194,937	308,560	323,584	1,710,616
1924	863,126	271,911	459,882	566,470	2,161,389
1925	860,002	218,601	287,073	484,702	1,850,378

Oysters.—In 1925 oysters were canned at 13 plants in Maryland, 5 in North Carolina, 15 in South Carolina, 7 in Georgia, 6 in Florida, 6 in Alabama, 25 in Mississippi, 4 in Louisiana, and 2 in Texas. The total output was 654,755 standard cases of forty-eight 5-ounce cans,

valued at $3,721,159. This was the largest pack in recent years and represents an increase of 207,274 cases, or 46 per cent, in quantity and $1,243,115, or 50 per cent, in value as compared with 1924.

Pack of oysters, 1925

Sizes	Maryland		North Carolina		South Carolina		Georgia		Florida	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
4-ounce (4 dozen)	[1] 13,167	$74,871	100	$560	[1] 11,112	$57,798			800	$3,520
5-ounce (4 dozen)	57,024	361,407	22,922	124,243	70,475	399,925	16,257	$88,406	12,089	67,037
6-ounce (4 dozen)	14,031	138,815			32	288	63	510		
8-ounce (2 dozen)	3,902	22,100	195	702	3,504	17,957				
10-ounce (2 dozen)	15,172	96,622	1,985	11,910	15,685	90,982	643	3,828		
12-ounce (2 dozen)	1,083	9,874								
Total	104,379	703,689	25,202	137,415	100,808	566,950	16,963	92,744	12,889	70,557
Total (standard cases) [2]	103,988		25,143		97,891		16,976		12,729	

Sizes	Alabama		Mississippi		Louisiana and Texas		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
4-ounce (4 dozen)	1,000	$4,800	61,091	$315,703	8,238	$40,895	95,508	$498,147
5-ounce (4 dozen)	45,014	237,262	188,397	964,047	20,866	98,897	433,044	2,341,224
6-ounce (4 dozen)					1,288	9,101	15,414	148,714
8-ounce (2 dozen)	500	2,400	25,935	132,606	1,495	7,352	35,531	183,117
10-ounce (2 dozen)	14,050	74,575	46,328	246,138	2,606	13,030	96,469	537,085
12-ounce (2 dozen)					512	2,998	1,595	12,872
Total	60,564	319,037	321,751	1,658,494	35,005	172,273	677,561	3,721,159
Total (standard cases) [2]	60,264		304,346		33,418		654,755	

[1] Includes the pack of 3-ounce cans, which have been coverted to the equivalent of 4-ounce cans.
[2] Standard case equals forty-eight 5-ounce cans.

Comparative statistics of the pack of oysters, 1921 to 1925

Year	Cases	Value	Year	Cases	Value
1921	442,086	$2,179,271	1924	447,481	$2,478,044
1922	505,973	2,423,616	1925	654,755	3,721,159
1923	524,544	2,720,073			

NOTE.—Cases are on the standard basis of forty-eight 5-ounce cans.

Miscellaneous canned fish.—In addition to the products shown above, miscellaneous canned goods were packed in 1925, as follows: In Maine, Massachusetts, New York, New Jersey, Oregon, and Alaska, 6,906,991 pounds of canned fish and terrapin, valued at $1,221,820, and 608,611 pounds of canned fish roe and caviar, valued at $185,218; and in California, 58,021 cases of fish cakes, abalone, and squid, valued at $258,118; making a total of $1,665,159 worth of miscellaneous canned goods not mentioned elsewhere.

BY-PRODUCTS

The total value of by-products, including the products of the menhaden and whaling industries, amounted to $14,600,198 in 1925, made up of the following items: Fish and whale oils, 13,287,076 gal-

lons, valued at $6,500,191; fish, whale, and shrimp scrap, meal, and bran to the value of $4,650,635; shell by-products, 295,149 tons, valued at $2,382,731; fish glue, 510,816 gallons, valued at $589,064; and miscellaneous by-products to the value of $477,577. The value of the by-products has increased considerably in recent years, the figures being as follows: 1921, $8,351,827; 1922, $11,390,693; 1923, $12,634,590; 1924, $10,308,990; and 1925, $14,600,198.

Production of various by-products, 1925

Products	Maine, Massachusetts and New York		Maryland and Virginia		North Carolina, Georgia, and Florida		Louisiana	
	Quantity	*Value*	*Quantity*	*Value*	*Quantity*	*Value*	*Quantity*	*Value*
Fish scrap and meal:								
Dried ---- tons	3,891	$196,262	1,465	$48,972				
Acidulated ---- do	310	7,016						
Pomace ---- do	2,461	5,364						
Oil:								
Herring ---- gallons	64,444	23,279	26,839	11,692				
Sperm ---- do	12,600	6,300						
Cod liver, crude ---- gallons	138,345	83,268						
Miscellaneous do	958	699	3,750	1,500	21,351	$11,532		
Liquid glue ---- do	510,816	589,064						
Miscellaneous by-products[1] ---- pounds	2,909,608	217,951	100,000	10,000	281,796	41,710	2,142,000	$31,394
Total		1,129,203		72,164		53,242		31,394

Products	Alaska, Washington, Oregon, and California		Indiana and Wisconsin		Total	
	Quantity	*Value*	*Quantity*	*Value*	*Quantity*	*Value*
Fish scrap and meal:						
Dried ---- tons	34,210	$1,735,804			39,566	$1,981,038
Acidulated ---- do					310	7,016
Pomace ---- do	3,016	4,050			5,477	9,414
Oil:						
Salmon ---- gallons	224,516	85,562			224,516	85,562
Sardine ---- do	3,120,048	1,568,753			3,120,048	1,568,753
Tuna ---- do	57,825	14,717			57,825	14,717
Herring ---- do	2,351,152	999,045	92	$55	2,442,527	1,034,071
Whale ---- do	1,076,148	624,854			1,076,148	624,854
Sperm ---- do	132,450	53,857			145,050	60,157
Cod liver, crude ---- do					138,345	83,268
Miscellaneous ---- do	28,119	11,247	5,331	2,725	59,509	27,703
Liquid glue ---- do					510,816	589,064
Miscellaneous by-products[1] ---- pounds	982,549	208,180			6,415,953	509,235
Total		5,306,069		2,780		6,594,852

[1] Includes shark hides, fins, and meat, herring skins and scales, stearine, isinglass, agar-agar, fish flour whale meat, and whale tails, and 1,079 tons of shrimp bran, valued at $31,658. The bran was produced mainly in Louisiana.

NOTE.—The oils produced on the Pacific coast are reported in "Trade" gallons (7½ pounds), and those produced on the Atlantic and Gulf coasts are reported in United States gallons (about 7.74 pounds).

Fish oils.—The production of fish and whale oils in 1925 amounted to 13,287,076 gallons, valued at $6,500,191, as follows: Menhaden, 6,023,108 gallons, valued at $3,001,106; herring, 2,442,527 gallons, valued at $1,034,071; sardine, 3,120,048 gallons, valued at $1,568,753; other fish oils, 480,195 gallons, valued at $211,250; and whale and sperm oil, 1,221,198 gallons, valued at $685,011. The 1925 production was considerably above the normal for recent years because of the greatly increased quantities of sardine and herring oils produced on the Pacific coast.

Production of fish and whale oils, 1921 to 1925

Year	Menhaden		Herring		Sardine	
	Gallons	*Value*	*Gallons*	*Value*	*Gallons*	*Value*
1921	6,260,478	$1,719,892	112,838	$26,735	170,977	$35,760
1922	7,102,677	2,904,833	450,362	150,144	428,859	145,668
1923	7,461,365	3,316,277	945,424	384,053	966,247	424,103
1924	3,923,904	1,817,626	1,324,002	571,399	2,373,711	1,076,903
1925	6,023,108	3,001,106	2,442,527	1,034,071	3,120,048	1,568,753

Year	Other fish oils		Whale and sperm		Total	
	Gallons	*Value*	*Gallons*	*Value*	*Gallons*	*Value*
1921	378,887	(1)	523,101	(1)	7,446,281	$2,078,670
1922	306,430	145,401	2,247,145	884,714	10,535,473	4,230,760
1923	443,935	187,877	1,556,830	791,884	11,373,801	5,104,194
1924	381,832	184,534	1,242,836	661,271	9,211,285	4,311,733
1925	480,195	211,250	1,221,198	685,011	13,287,076	6,500,191

[1] Data not available.

Fish scrap and meal.—The total value of scrap and meal of all kinds produced in 1925 was $4,650,635, made up as follows: Dried scrap and meal, 69,733 tons, valued at $3,500,496; acidulated scrap, 41,773 tons, valued at $1,109,067; crude or green scrap, 5,477 tons, valued at $9,414; and shrimp bran, 1,079 tons, valued at $31,658. A large portion of the dried and acidulated scrap was produced in the menhaden industry, and the whaling industry also contributed largely to the dried-scrap production.

Comparative statistics of the production of scrap and meal from fish (including menhaden), whale, and shrimp

Year	Dried scrap and meal		Acidulated scrap		Crude or green scrap		Shrimp bran		Total
	Tons	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Value*
1921	60,031	$2,613,361	44,454	$895,140	2,160	$31,827	628	$16,814	$3,557,142
1922	89,459	3,755,787	25,712	555,973	433	9,519	562	15,398	4,336,677
1923	66,088	3,286,504	44,935	1,064,870	1,593	13,721	1,269	48,290	4,413,385
1924	51,855	2,370,237	24,963	504,639	3,543	6,262	936	31,580	2,912,718
1925	69,733	3,500,496	41,773	1,109,067	5,477	9,414	1,079	31,658	4,650,635

Fish glue.—In 1925, the production of fish glue was 510,816 gallons, valued at $589,064. The production of this commodity has increased appreciably, as may be seen from the following figures on the production for the last five years:

Year	Gallons	Value	Year	Gallons	Value
1921	347,048	$364,415	1924	502,940	$550,391
1922	323,003	278,424	1925	510,816	589,064
1923	465,814	680,054			

Shell by-products.—In 1925 there were produced 226,971 tons of crushed oyster shell for poultry grit, valued at $2,075,057; 67,818 tons of oyster-shell lime, valued at $303,261; and 360 tons of crushed marine clam shells, valued at $4,413; a total of 295,149 tons of shell products, valued at $2,382,731.

Production of shell products, 1925

Products	Connecticut, Rhode Island, and New York		New Jersey and Pennsylvania		Maryland		Virginia		North Carolina, South Carolina, and Georgia	
	Tons	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*
Crushed oyster shell:										
Poultry grit	1,697	$21,712	9,667	$114,541	63,709	$643,889	24,872	$264,705	7,307	$79,763
Lime	466	2,073	3,242	15,388	27,488	76,747	27,134	188,475	1,565	10,308
Total	2,163	23,785	12,909	129,929	91,197	720,636	52,006	453,180	8,872	90,071

Products	Florida and Alabama		Mississippi		Louisiana		Texas		Total	
	Tons	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*
Crushed oyster shell:										
Poultry grit	11,752	$97,593	32,283	$288,845	71,384	$526,834	4,300	$37,175	226,971	$2,075,057
Lime	1,730	2,078	1,548	1,172	4,145	5,670	500	1,350	67,818	303,261
Total	13,482	99,671	33,831	290,017	75,529	532,504	4,800	38,525	294,789	2,378,318

NOTE.—In addition to the above, there were produced elsewhere 360 tons of crushed marine clam shells, valued at $4,413.

Comparative statistics of oyster shell by-products, 1921 to 1925

Year	Crushed oyster shell		Oyster-shell lime		Total
	Tons	*Value*	*Tons*	*Value*	*Value*
1921	185,474	$1,759,120	73,764	$502,634	$2,261,754
1922	236,021	2,005,838	93,168	431,213	2,437,051
1923	224,983	1,986,249	83,808	372,286	2,358,535
1924	219,211	2,019,254	70,269	336,384	2,355,638
1925	226,971	2,075,057	67,818	303,261	2,378,318

Menhaden industry.—The menhaden industry recovered to some extent from the slump it experienced in 1924, its production in 1925 being as follows: Dried scrap and meal, 30,167 tons, valued at $1,519,458; acidulated scrap, 41,463 tons, valued at $1,102,051; oil, 6,023,108 gallons, valued at $3,001,106; a total of $5,622,615 worth of products.

Products of the menhaden industry, 1925

Products	Connecticut, New York, and New Jersey		Delaware		Virginia	
	Quantity	*Value*	*Quantity*	*Value*	*Quantity*	*Value*
Fish utilized: Menhaden—number	113,544,000		78,619,000		246,083,000	
Products:						
Dry scrap and meal—tons	821	$36,945			18,049	$939,585
Acidulated scrap—do	10,822	283,942	7,541	$213,884		
Oil—gallons	1,018,179	516,171	853,470	427,650	2,646,780	1,319,695
Total		837,058		641,534		2,259,280

Products	North Carolina		Georgia, Florida, and Texas		Total	
	Quantity	*Value*	*Quantity*	*Value*	*Quantity*	*Value*
Fish utilized: Menhaden—number	210,871,000		145,089,000		[1] 794,206,000	
Products:						
Dry scrap and meal—tons	5,526	$266,055	5,771	$276,873	[2] 30,167	$1,519,458
Acidulated scrap—do	17,600	455,725	5,500	148,500	41,463	1,102,051
Oil—gallons	1,137,694	570,011	366,985	167,579	6,023,108	3,001,106
Total		1,291,791		592,952		5,622,615

[1] 476,524,000 pounds.
[2] Of this quantity, 4,280 tons, valued at $256,910, were reported as fish meal.

Comparative statistics of the products of the menhaden industry, 1921 to 1925

Year	Dried scrap and meal		Acidulated scrap		Oil		Total
	Tons	*Value*	*Tons*	*Value*	*Gallons*	*Value*	*Value*
1921	37,858	$1,380,455	44,804	$905,640	6,260,478	$1,719,892	$4,005,987
1922	67,821	2,665,441	25,755	556,317	7,102,677	2,904,833	6,126,591
1923	43,452	2,029,406	44,935	1,064,870	7,461,365	3,316,277	6,410,553
1924	21,008	996,866	24,409	495,684	3,923,904	1,817,626	3,310,176
1925	30,167	1,519,458	41,463	1,102,051	6,023,108	3,001,106	5,622,615

FOREIGN FISHERY TRADE

The foreign trade in fishery products of the United States during 1925 amounted to $70,293,363, of which $49,030,591 were the value of fishery products imported for consumption and $21,262,772 the value of exports of domestic fishery products. The imports consisted of 263,330,035 pounds of edible fishery products valued at $29,059,225 and nonedible products valued at $19,971,366, while the exports consisted mainly of edible products amounting to 160,859,863 pounds, valued at $20,734,584, and nonedible products valued at $528,188.

Imports of edible fishery products consisted mainly of fresh and frozen fish that originated chiefly in Canada and Mexico, and of salted, dried, smoked, and pickled fish. Canned fish followed next and consisted principally of canned sardines. The remaining imports were of canned or fresh shellfish and other products, such as fish roe and caviar. Imports of nonedible fishery products consisted mainly of fish and marine animal oils, pearls and imitation pearl beads, shells, sponges, and agar agar, given in order of importance.

Exports consisted almost entirely of canned edible fishery products, mainly canned sardines and salmon, with other products in much smaller quantities. The Philippine Islands received 20.1 per cent of the canned sardines; Straits Settlements, 19.6 per cent; Argentina, 13.8 per cent; Dutch East Indies, 8.8 per cent; and Mexico 3.8 per cent. The United Kingdom purchased 46.7 per cent of the canned salmon; Philippine Islands, 13.9 per cent; Canada, 4.7 per cent; Mexico, 3.7 per cent; and Belgium, 1.8 per cent. Exports of nonedible fishery products consisted solely of shell and pearl buttons, unmanufactured shells, sponges, and fish oils.

The ratio of imports to exports of the quantity of fresh and frozen fish is 95 to 10; salted, dried, smoked, and pickled, 54 to 10; fish canned or packed in oil, 10 to 43; shellfish canned or fresh, 21 to 10; and other fish products, 10 to 13. The most striking feature of a digest of import and export statistics is the fact that while the United States produces about 40,000,000 pounds of fish and marine animal oils annually, this amount seems insufficient to supply the demand. As a consequence the imports of these products are 123 times greater than the exports. At the same time large quantities of waste fish and offal from the fishing industry continue to be available as a source of oil that possibly could be diverted to this trade.

Following are tables showing the amount and value of the foreign trade in fishery products by the United States for 1924 and 1925 and a comparison table for 1925.

Imports for consumption and domestic exports of fishery products, 1925, and ratio comparisons

Item	Imports		Exports		Ratio of imports to exports	
	Pounds	*Value*	*Pounds*	*Value*	*Quantity*	*Value*
Edible fishery products:						
Fish, fresh, frozen, or packed in ice	100,066,962	$7,763,320	10,516,636	$1,164,121	95:10	67:10
Fish, salted, dried, smoked, or pickled	112,543,769	9,780,799	20,724,350	2,921,704	54:10	33:10
Fish, canned or packed in oil	27,472,262	4,958,763	118,249,718	14,666,544	10:43	10:30
Shellfish, canned or fresh	22,834,758	6,171,677	10,846,588	1,871,772	21:10	33:10
Other fish products, roe, caviar, etc	412,284	384,666	522,571	110,443	10:13	35:10
Total	263,330,035	29,059,225	160,859,863	20,734,584	16:10	14:10
Nonedible fishery products:						
Fish and marine animal oils [1]	75,746,068	6,716,223	614,274	115,078	1,230:10	584:10
All others		13,255,143		413,110		321:10
Total		19,971,366		528,188		378:10
Grand total		49,030,591		21,262,772		23:10

[1] Gallon of fish or marine animal oil calculated at 7.5 pounds.

Exports of domestic fishery products, 1924 and 1925

Item	1924		1925	
	Quantity	*Value*	*Quantity*	*Value*
Fish, fresh, frozen, or packed in ice:				
Salmon—pounds	3,633,798	$503,255	4,233,549	$502,007
Other fresh fish—do	9,833,859	1,036,695	6,283,087	662,114
Total—do	13,467,657	1,539,950	10,516,636	1,164,121
Fish, salted, dried, smoked:				
Cod—do	4,118,121	472,875	4,381,744	537,815
Haddock, hake, and pollock—do	2,660,160	196,211	3,163,658	277,948
Herring—do	2,113,582	114,792	3,442,340	212,331
Salmon, smoked or dry-cured—do	1,829,503	393,429	1,650,740	341,106
Other—do	2,699,974	197,158	1,716,468	132,875
Total—do	13,421,340	1,374,465	14,354,950	1,502,075
Fish, pickled:				
Salmon—do	5,365,400	1,298,371	4,748,600	1,293,941
Other—do	1,763,000	133,593	1,620,800	125,688
Total—do	7,128,400	1,431,964	6,369,400	1,419,629
Fish, canned:				
Salmon—do	67,013,369	9,667,126	53,293,716	9,061,578
Sardines—do	51,260,836	4,278,547	62,754,826	5,301,178
Tuna—do	138,787	42,927		
Other—do	2,148,323	214,977	2,201,176	303,788
Total—do	120,561,315	14,203,577	118,249,718	14,666,544
Shellfish:				
Oysters, canned or fresh—do	5,267,564	631,760		
Canned—do			4,084,907	939,486
Not canned—do			6,761,681	932,286
Other shellfish—do	4,079,368	1,025,358		
Total—do	9,346,932	1,657,118	10,846,588	1,871,772
Other fish products—do	590,066	113,068	522,571	110,443
Total edible products—do	164,515,710	20,320,142	160,859,863	20,734,584
Fish oils—do	870,887	130,864	614,274	115,078
Buttons, pearl or shell—gross	428,993	141,325	408,774	193,772
Shells, unmanufactured—pounds	935,383	82,269	1,326,064	97,240
Sponges—do	175,029	175,346	98,055	122,098
Total		398,940		413,110
Total nonedible products		529,804		528,188
Grand total		20,849,946		21,262,772

Imports of fishery products entered for consumption, 1924 and 1925

Item		1924		1925	
		Quantity	Value	Quantity	Value
Edible fishery products:					
Fish, fresh, frozen, or packed in ice—					
Cod, haddock, hake, and pollock	pounds	874,583	$47,047	1,238,452	$61,940
Eels	do	589,069	63,216	798,570	113,910
Fresh-water fishes	do	41,573,994	3,329,836	40,358,560	3,720,236
Halibut	do	5,029,659	653,299	3,740,015	465,035
Herring	do	1,195,592	62,199	2,386,842	121,676
Herring (fresh sea)	do	19,063,632	275,134	16,335,323	213,764
Mackerel	do	6,595,775	485,341	4,404,097	302,204
Salmon	do	8,327,010	949,226	6,459,167	740,433
Smelts	do	6,783,884	981,544	6,669,087	877,924
Swordfish	do	619,194	112,384	492,151	78,386
Tuna	do	5,033,421	220,172	10,444,220	491,318
Other dutiable	do	14,353,459	1,072,332	6,740,478	576,494
Total	do	110,039,272	8,251,730	100,066,962	7,763,320
Fish, salted, dried, smoked, or pickled—					
Cod, dried	do	27,580,514	2,258,335	26,862,736	2,454,238
Finnan haddie	do	1,232,405	114,242	936,353	80,820
Hake and pollock, dried	do	623,513	40,082	698,956	46,479
Herring, dried or smoked	do	850,483	52,905	1,107,542	69,683
Herring, pickled or salted	do	47,156,537	2,901,004	35,590,438	2,434,667
Herring, smoked, skinned, or boned	do	355,618	44,214	561,877	61,928
Mackerel, pickled or salted	do	11,209,528	984,277	13,494,366	1,044,118
Salmon, dried	do	3,944	861	6,661	1,267
Salmon, kippered, smoked, salted, pickled, or otherwise prepared	pounds	1,669,907	277,905	1,137,151	166,407
Other kippered, smoked, salted, pickled, or otherwise prepared fish not elsewhere specified	pounds	2,851,362	324,403	3,376,852	396,809
Other dried fish	do	3,966,716	503,180	6,049,707	816,728
Others, in bulk or in packages	do	23,541,940	2,364,130	22,721,130	2,207,655
Total	do	121,042,467	9,865,538	112,543,769	9,780,799
Fish packed in oil or other substances—					
Sardines	do	25,617,491	4,255,689	20,180,843	3,590,012
All others	do	8,630,332	1,593,987	7,291,419	1,368,751
Total	do	34,247,823	5,849,676	27,472,262	4,958,763
Fish roe, frozen, prepared, or preserved—					
Caviar	do	259,304	350,233	158,734	322,428
Other fish roe, preserved	do	252,670	60,682	253,550	62,238
Total	do	511,974	410,915	412,284	384,666
Shellfish—					
Crabs	do	156,829	11,011	34,601	3,105
Crab meat packed in ice, frozen, or otherwise prepared or preserved	pounds	5,167,087	1,781,412	8,332,699	2,818,299
Lobsters, canned	do	1,747,990	906,745	1,382,513	819,048
Lobsters, fresh, frozen, packed in ice or prepared or preserved in any manner (not specially provided for)	pounds	4,985,583	1,178,424	6,998,997	1,585,843
Turtles	do	694,811	46,641	643,315	40,391
Other shellfish and shrimp	do	6,270,767	974,647	5,442,633	904,991
Total	do	19,023,067	4,898,880	22,834,758	6,171,677
Total edible fishery products	do	284,864,603	29,276,739	263,330,035	29,059,225

Imports of fishery products entered for consumption, 1924 and 1925—Continued

Item	1924		1925	
	Quantity	Value	Quantity	Value
Nonedible fishery products:				
Fish and marine animal oils—				
Cod oil—gallons	1,915,657	$940,762	1,755,070	$864,131
Cod-liver oil—do	930,931	631,546	1,220,440	1,055,914
Herring, menhaden, and sod oil—do	601,406	206,688	567,236	238,468
Other fish oils—do	149,673	46,916	125,798	41,578
Seal oil—do	483,985	221,030	364,893	187,718
Whale oil, sperm—do	70,492	37,538	258,261	103,863
Whale oil, other—do	5,003,779	2,477,787	7,141,111	4,224,551
Total—do	9,155,923	4,562,267	11,432,809	6,716,223
Pearls and imitation pearl—				
Pearls and parts, not strung or set—number	679,484	5,898,560	2,052,518	6,734,149
Imitation half pearls and hollow or filled pearl without holes or with holes partly through—number	7,774,886	220,825	9,139,307	198,107
Imitation solid pearls, wholly or partly pierced, mounted or unmounted—number	10,727,426	74,926	1,408,156	24,541
Imitation pearl beads—pounds	1,194,623	2,269,820	1,613,044	2,169,251
Total		8,464,131		9,126,048
Shells and buttons of pearl or shell—				
Shells, not manufactured—				
Green snail shell—do	501,096	73,644	260,588	26,688
Mother-of-pearl—do	7,394,529	1,836,942	5,484,394	1,707,817
All others—do	1,128,999	239,521	1,116,934	194,186
Shells, manufactured—do	183,174	96,867	118,268	119,505
Shell or pearl buttons—				
Fresh-water—gross	23,251	7,181	20,600	7,057
Ocean or trochus—do	228,134	71,175	242,623	83,670
Button blanks, not turned, faced, or drilled—gross	4,306	6,468	1,934	1,135
Button blanks, not turned, faced, or drilled (from Philippine Islands)—gross	1,023,228	411,496	722,223	316,466
Total		2,743,294		2,456,524
Sponges—pounds	657,831	266,998	232,969	241,213
Sponges (from Cuba)—do	631,343	444,539	663,302	644,671
Sponges (from Philippine Islands)—do	571	1,248	2,586	5,628
Sponges, manufactures of, not specially provided for—pounds	4,788	5,806	471	1,818
Sponges, manufactures of, not specially provided for (from Cuba)—pounds	827	1,291	694	1,178
Total—do	1,295,360	719,882	900,022	894,508
Agar agar—do	404,640	403,391	501,226	461,947
Ambergris—do	107	29,376	223	80,365
Cuttle fish bone—do	282,389	38,778	308,441	46,663
Fish for purposes other than human consumption—pounds	1,134,925	23,907	2,491,645	80,499
Fish skins, raw or salted—do	250,202	6,295	226,892	7,378
Fish sounds, crude, dried, or salted for preservation only—pounds	159,126	41,266	151,854	42,263
Sea grass, eelgrass, and sea weed, dyed or manufactured—pounds	120,926	26,200	191,227	41,169
Sealskins—number	90	1,712	289	7,253
Whalebone, unmanufactured—pounds	2,675	1,502	18,945	10,037
Whalebone, manufactures of—do	167	626	220	489
Total		573,053		778,063
Total nonedible fishery products		17,062,627		19,971,366
Grand total		46,339,366		49,030,591

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925

Fishing grounds	Trips	Days absent	Cod							
			Large (10 pounds and over)				Market (under 10 and over 2½ pounds)			
			Fresh		Salted		Fresh		Salted	
			Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON										
East of 66° W. longitude:										
La Have Bank	73	972	1,241,505	$60,195			461,235	$14,401		
Western Bank	95	1,345	1,477,480	65,926			571,195	15,336		
Quereau Bank	18	441	12,780	407			2,165	55		
Green Bank	1	29								
Grand Bank	5	96	10,900	533						
St. Peters Bank	3	51								
Burgeo Bank	2	57								
Cape Shore	58	860	122,975	5,467			70,680	1,926		
Gulf of St. Lawrence	2	52								
The Gully	7	139								
West of 66° W. longitude:										
Browns Bank	209	2,028	3,302,504	147,620			1,905,662	55,083		
Georges Bank	645	6,530	12,075,686	465,461	16,250	$721	2,722,630	81,424		
Cashes Bank	12	61	125,190	5,051			41,215	1,061		
Fippenies Bank	4	21	26,500	1,625			15,180	498		
Middle Bank	239	744	207,125	13,117			93,930	3,974		
German Bank	1	12	8,200	246			12,500	313		
Jeffreys Ledge	330	1,149	327,295	21,510			139,620	5,466		
South Channel	969	5,771	6,064,930	278,675			2,345,006	76,528		
Nantucket Shoals	180	1,309	687,910	33,576			541,260	16,081		
Off Chatham	322	1,059	234,238	10,745			128,760	4,845		
Seal Island	2	23	20,850	1,109			23,600	550		
Shore, general	1,227	5,013	632,672	29,806			460,779	16,000		
Total	4,404	27,762	26,578,740	1,141,069	16,250	721	9,535,417	293,541		
LANDED AT GLOUCESTER										
East of 66° W. longitude:										
La Have Bank	17	286	825,080	19,372	73,185	3,565	161,165	2,937	13,130	$542
Western Bank	96	1,789	7,633,540	170,835	1,010,661	47,941	1,813,385	32,956	352,752	14,562
Quereau Bank	26	624	907,195	20,284	349,560	17,045	253,765	4,422	121,800	4,954
Green Bank	2	58	730	9	5,490	260	100	1	430	16
Grand Bank	1	27			11,840	562			1,900	76
St. Peters Bank	5	119	6,990	157	40,190	1,906	475	8	10,735	446
Burgeo Bank	2	57			19,325	918			4,105	164
Off Newfoundland	8	432								
Cape Shore	12	288								
Gulf of St. Lawrence	2	52	24,065	1,143	4,675	302	9,920	397	1,810	72
Strait of Belleisle	2	56			5,580	265			3,780	161
West of 66° W. longitude:										
Browns Bank	31	402	748,555	19,405	124,535	4,263	356,490	7,482	14,200	403
Georges Bank	205	2,704	5,853,440	134,752	600,085	30,186	1,041,600	20,040	151,465	6,451
Middle Bank	243	999	193,200	4,336			28,200	485		
Jeffreys Ledge	14	41								
South Channel	50	422	122,975	2,997	7,800	371	81,730	1,621	8,940	358
Nantucket Shoals	6	49	9,970	1,143			47,235	944		
Off Chatham	27	219								
Seal Island	1	23	11,600	290	7,800	371			1,200	48
Shore, general	1,741	2,388	3,461,255	162,177	1,818	91	64,620	2,800	301	12
Total	2,491	11,035	19,798,595	536,900	2,262,544	108,046	3,858,685	74,093	686,548	28,265

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Fishing grounds	Trips	Days absent	Cod							
			Large (10 pounds and over)				Market (under 10 and over 2½ pounds)			
			Fresh		Salted		Fresh		Salted	
LANDED AT PORTLAND										
East of 66° W. longitude:			*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Valu*
La Have Bank	3	30								
Western Bank	32	416	1,296,560	$25,441	20,600	$975	88,335	$1,951	4,720	$19
Quereau Bank	8	189	8,230	250	4,345	185	3,215	70		
Grand Bank	1	5	3,240	81			1,150	23		
St. Peters Bank	2	51	7,300	231			1,485	48		
Cape Shore	5	116								
Gulf of St. Lawrence	1	(1)								
St. Anns Bank	1	22								
The Gully	2	41	15,200	598	18,600	930	4,820	163	4,585	18
West of 66° W. longitude:										
Browns Bank	9	154	107,375	3,913	36,520	1,735	25,200	979	8,000	32
Georges Bank	18	318	234,870	4,042	6,425	321	925	42	3,525	15
Cashes Bank	57	167	169,749	5,265			82,548	1,976		
Fippenies Bank	28	56	39,850	1,949			28,990	931		
Middle Bank	1	2	2,080	73			730	18		
Platts Bank	145	247	177,069	9,190			67,950	2,554		
Jeffreys Ledge	333	525	322,390	13,647			79,484	2,583		
South Channel	6	52	53,860	1,764			8,500	177		
Nantucket Shoals	5	45	7,390	172						
Seal Island	5	79	6,320	141	39,548	1,660	2,475	43	11,145	39
Shore, general	848	1,135	1,151,254	45,836	910	43	128,011	3,814	175	
Total	1,509	3,650	3,602,737	112,596	126,948	5,849	523,818	15,372	32,150	1,247
Grand total	8,404	42,447	49,980,072	1,790,565	2,405,742	114,616	13,917,920	383,006	718,698	29,515

[1] Included in the statistics for Gloucester.

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Fishing grounds	Cod—Continued				Haddock			
	Scrod (1 to 2½ pounds)				Large (over 2½ pounds)			
	Fresh		Salted		Fresh		Salted	
LANDED AT BOSTON								
East of 66° W. longitude:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
La Have Bank	3,900	$44			713,580	$25,550		
Western Bank	13,200	154			1,216,580	39,542		
Cape Shore	800	12			104,220	3,119		
West of 66° W. longitude:								
Browns Bank	2,990	67			4,205,050	134,623		
Georges Bank	5,530	135			9,927,370	336,390		
Cashes Bank					78,460	2,694		
Fippenies Bank					51,750	1,867		
Middle Bank	2,095	37			1,468,104	69,933		
German Bank					860	26		
Jeffreys Ledge	8,370	129			2,415,670	112,269		
South Channel	8,410	137			30,832,643	1,014,469		
Nantucket Shoals	3,495	36			4,537,015	147,764		
Off Chatham	790	14			1,578,625	67,470		
Seal Island					49,300	1,128		
Shore, general	35,040	678			4,208,950	141,880		
Total	84,620	1,443			61,388,177	[a]2,098,724		
LANDED AT GLOUCESTER								
East of 66° W. longitude:								
La Have Bank	60	1	250	$8	178,360	2,060		
Western Bank	3,890	34	7,804	259	1,460,730	20,115	16,290	$406
Quereau Bank			40	1	47,225	512	7,800	195
Green Bank			110	3				
Gulf of St. Lawrence	600	15						
West of 66° W. longitude:								
Browns Bank	6,095	65			336,580	5,460		
Georges Bank	1,975	20	790	21	3,341,685	44,017		
South Channel	330	4			1,839,385	23,319		
Nantucket Shoals	260	3			306,770	4,228		
Shore, general			185	4	1,011,775	36,941		
Total	13,210	142	9,179	296	8,522,510	136,652	24,090	601
LANDED AT PORTLAND								
East of 66° W. longitude:								
Western Bank			18,044	463	3,058,585	58,451	385	10
Quereau Bank	90	1						
St. Peters Bank					310	10		
The Gully			1,100	22				
West of 66° W. longitude:								
Browns Bank	260	3			47,305	3,530		
Georges Bank					400,000	7,545		
Cashes Bank	17,300	165			163,152	6,022		
Fippenies Bank	7,225	114			82,936	4,138		
Middle Bank	175	2			1 4,770	775		
Platts Bank	18,955	273			509,455	26,500		
Jeffreys Ledge	29,102	300			1,009,804	47,470		
South Channel					395,950	9,245		
Nantucket Shoals					724,300	13,994		
Seal Island			350	10				
Shore, general	28,088	305			972,631	34,681		
Total	101,195	1,163	19,494	495	7,379,198	212,361	385	10
Grand total	199,025	2,748	28,673	791	77,289,885	2,447,737	24,475	611

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Fishing grounds	Haddock—Continued				Hake			
	Scrod (1 to 2½ pounds)				Large (6 pounds and over)			
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON								
East of 66° W. longitude:								
La Have Bank	36,575	$748						
Western Bank	41,800	559			14,725	$726		
Quereau Bank					1,500	60		
Cape Shore	6,850	54						
West of 66° W. longitude:								
Browns Bank	65,825	1,333			23,490	1,106		
Georges Bank	1,857,780	51,308			29,600	1,274		
Cashes Bank	6,720	106			15,485	481		
Fippenies Bank	3,000	48			3,670	97		
Middle Bank	133,790	3,070			108,735	4,190		
Jeffreys Ledge	270,650	6,391			238,235	8,732		
South Channel	8,115,170	173,265			1,013,250	42,959		
Nantucket Shoals	905,900	17,733			33,640	990		
Off Chatham	218,860	4,619			98,315	6,841		
Seal Island	8,500	91			1,000	20		
Shore, general	1,221,655	20,361			121,268	2,776		
Total	12,893,075	279,686			1,702,913	70,252		
LANDED AT GLOUCESTER								
East of 66° W. longitude:								
La Have Bank					5,555	74	1,360	$34
Western Bank					47,635	622	4,190	89
Quereau Bank					9,600	121	395	8
St. Peters Bank					1,680	21	195	5
Burgeo Bank					1,200	15		
Strait of Belleisle					1,280	16	100	1
West of 66° W. longitude:								
Browns Bank					7,375	92	400	10
Georges Bank	416,900	4,503			26,820	338	9,240	219
South Channel	604,135	5,830			30,740	382		
Nantucket Shoals	13,800	173			2,240	33		
Shore, general					169,690	3,118		
Total	1,034,835	10,506			303,815	4,832	15,880	366
LANDED AT PORTLAND								
East of 66° W. longitude:								
Western Bank	3,500	35	770	$21				
Grand Bank					860	11		
West of 66° W. longitude:								
Browns Bank	1,360	36						
Cashes Bank	25,215	252			2,775	130		
Fippenies Bank	19,130	254			900	36		
Middle Bank	1,270	13						
Platts Bank	83,608	1,451						
Jeffreys Ledge	160,339	1,979			755	23		
South Channel	220,500	3,917			3,500	35		
Shore, general	128,298	1,243			7,860	283		
Total	643,220	9,180	770	21	16,650	518		
Grand total	14,571,130	299,372	770	21	2,023,378	75,602	15,880	366

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Fishing grounds	Hake—Continued				Pollock			
	Small (under 6 pounds)							
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON								
East of 66° W. longitude:								
La Have Bank	100	$1			39,120	$1,035		
Western Bank	5,090	150			364,365	10,623		
Quereau Bank	2,900	58						
Grand Bank					1,500	30		
Cape Shore					2,805	48		
West of 66° W. longitude:								
Browns Bank	33,495	945			164,230	5,170		
Georges Bank	55,895	1,612			413,060	13,119		
Cashes Bank	55,635	1,200			9,445	296		
Fippenies Bank	12,375	293			4,910	139		
Middle Bank	192,945	5,259			76,495	1,880		
German Bank					240	7		
Jeffreys Ledge	300,025	7,614			183,596	4,223		
South Channel	2,024,053	51,715			1,163,741	42,939		
Nantucket Shoals	62,085	2,454			153,240	5,207		
Off Chatham	68,085	1,727			44,150	1,681		
Seal Island					200	4		
Shore, general	130,745	2,605			138,442	4,962		
Total	2,943,428	75,633			2,759,539	91,363		
LANDED AT GLOUCESTER								
East of 66° W. longitude:								
La Have Bank					16,515	226	775	$20
Western Bank					97,294	1,231	21,762	542
Quereau Bank					3,315	41	3,040	77
Gulf of St. Lawrence					120	3		
West of 66° longitude:								
Browns Bank					11,360	152	320	6
Georges Bank					129,235	1,717	6,395	164
South Channel					7,375	93		
Nantucket Shoals					6,710	83		
Shore, general					1,518,575	38,569		
Total					1,790,499	42,115	32,292	809
LANDED AT PORTLAND								
East of 66° W. longitude:								
Western Bank	1,575	32	410	$12	93,470	1,116	13,745	305
Quereau Bank	1,855	26						
West of 66° W. longitude:								
Browns Bank					660	24	135	5
Georges Bank					730	15		
Cashes Bank	78,589	1,713			23,521	478		
Fippenies Bank	28,695	773			7,780	192		
Middle Bank	965	52			90	2		
Platts Bank	222,135	6,565			58,809	1,226		
Jeffreys Ledge	291,143	8,284			141,742	2,761		
South Channel	680	9			2,000	25		
Nantucket Shoals	8,500	85			21,400	266		
Seal Island	1,550	19	100	2	260	4	520	14
Shore, general	186,382	4,485	455	8	342,061	6,842	620	20
Total	822,069	22,043	965	22	692,523	12,951	15,020	344
Grand total	3,765,497	97,676	965	22	5,242,561	146,429	47,312	1,153

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Fishing grounds	Cusk				Halibut			
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON								
East of 66° W. longitude:								
La Have Bank	77,790	$1,829			165,549	$28,331		
Western Bank	19,190	379			123,934	22,600		
Quereau Bank	6,625	101			431,293	69,520		
Green Bank					17,491	2,420		
Grand Bank					108,429	20,716		
St. Peters Bank					163,552	32,448		
Burgeo Bank					110,173	13,151		
Cape Shore	10,905	184			802	441		
Gulf of St. Lawrence					104,824	13,380		
The Gully	8,500	213			190,572	46,433		
West of 66° W. longitude:								
Browns Bank	333,674	7,474			141,285	30,117		
Georges Bank	208,592	4,848			1,116,467	217,789		
Cashes Bank	117,330	2,250			1,325	201		
Fippenies Bank	26,750	472			776	294		
Middle Bank	181,449	5,096			4,068	1,352		
Jeffreys Ledge	295,312	8,211			3,440	1,102		
South Channel	498,840	13,305			130,424	30,364		
Nantucket Shoals					5,962	1,319		
Off Chatham	75,390	1,974			3,797	1,021		
Seal Island	19,400	337			284	139		
Shore, general	19,400	511			13,428	2,297		
Total	1,899,147	47,184			2,837,875	535,435		
LANDED AT GLOUCESTER								
East of 66° W. longitude:								
La Have Bank	104,005	1,523	2,420	$61				
Western Bank	73,865	1,049	38,990	738			225	$18
Quereau Bank	17,670	260	7,180	198	8,543	683	410	57
St. Peters Bank	455	6	140	3			285	33
Burgeo Bank			100	3	1,080	97		
Straits of Belleisle					88,975	9,063	400	56
West of 66° W. longitude:								
Browns Bank	139,530	1,928	890	27			230	21
Georges Bank	266,385	3,722	33,110	684	4,830	1,054	90	11
South Channel	28,145	340						
Seal Island	15,400	231						
Shore, general	1,030	39					5,940	238
Total	646,485	9,098	82,830	1,714	103,428	10,897	7,580	434
LANDED AT PORTLAND								
East of 66° W. longitude:								
La Have Bank					44,705	7,628		
Western Bank	22,685	303			107,451	19,103		
Quereau Bank	4,565	90			166,499	32,151		
Grand Bank	750	13			15,211	2,793		
St. Peters Bank	415	8			72,931	10,618		
Gulf of St. Lawrence					12,376	1,421		
St. Anns Bank					12,279	2,762		
The Gully	150	3			39,504	7,211		
West of 66° W. longitude:								
Browns Bank	22,448	448			21,747	4,028		
Georges Bank	3,080	62			24,775	4,750		
Cashes Bank	258,075	4,749			5,481	1,004		
Fippenies Bank	54,450	1,595			3,966	654		
Middle Bank	385	8			195	16		
Platts Bank	180,258	6,497			3,947	725		
Jeffreys Ledge	215,106	5,497			4,407	735	60	2
South Channel					999	81		
Nantucket Shoals					589	70		
Seal Island	57,520	719	24,000	300	67,383	11,497		
Shore, general	240,501	6,309			7,714	1,157		
Total	1,060,388	26,301	24,000	300	612,159	108,404	60	2
Grand total	3,606,020	82,583	106,830	2,014	3,553,462	654,736	7,640	436

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Fishing grounds	Mackerel				Miscellaneous			
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON								
East of 66° W. longitude:								
La Have Bank	40,000	$1,600			31,149	$8,664		
Western Bank					47,000	5,595		
Quereau Bank					4,330	1,020		
Grand Bank					384	143		
Cape Shore	1,424,808	85,768	44,400	$2,784	105,460	31,196		
West of 66° W. longitude:								
Browns Bank					170,591	41,392		
Georges Bank	1,000	60			1,139,472	242,884		
Cashes Bank					900	9		
Middle Bank	1,797,420	66,528	2,000	160	35,375	1,491		
German Bank					800	16		
Jeffreys Ledge	1,757,375	58,130	79,800	5,987	80,774	2,966		
South Channel	1,610,380	78,093	25,600	2,031	979,576	69,470		
Nantucket Shoals	757,545	38,532	34,400	2,752	329,830	37,228		
Off Chatham	5,449,257	261,887	78,200	5,797	58,841	3,102		
Shore, general	5,249,638	246,235	34,800	2,628	5,028,212	165,079		
Total	18,087,423	836,833	299,200	22,139	8,012,694	610,255		
LANDED AT GLOUCESTER								
East of 66° W. longitude:								
Off Newfoundland							2,400,336	$84,265
Cape Shore	38,110	1,894	141,358	9,012				
West of 66° W. longitude:								
Georges Bank					7,815	2,309		
Middle Bank	3,338,870	99,797	825,665	63,190	16,000	240		
Jeffreys Ledge	134,400	3,350	10,000	800				
South Channel	103,140	3,041	143,000	11,086	40,000	300		
Off Chatham	287,380	7,706	402,800	28,661				
Shore, general	1,334,637	57,034	267,120	19,624	788,307	32,505		
Total	5,236,537	172,822	1,789,943	132,373	852,122	35,354	2,400,336	84,265
LANDED AT PORTLAND								
East of 66° W. longitude:								
Western Bank					4,660	73		
Quereau Bank					16,288	3,911		
Grand Bank					490	20		
St. Peters Bank					710	120		
Cape Shore					25,268	6,755		
West of 66° W. longitude:								
Browns Bank					41,776	10,268		
Georges Bank					99,595	21,898		
Cashes Bank					1,694	43		
Fippenies Bank					465	25		
Middle Bank					740	37		
Platts Bank					4,372	131		
Jeffreys Ledge	261,740	8,001	5,200	416	591,017	8,893		
South Channel					1,150	14		
Nantucket Shoals					1,185	12		
Shore, general	529,017	18,515	800	53	1,098,908	12,348		
Total	790,757	26,516	6,000	469	1,888,318	64,548		
Grand total	24,114,717	1,036,171	2,095,143	154,981	10,753,134	710,157	2,400,336	84,265

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Fishing grounds	Total				Grand total	
	Fresh		Salted			
LANDED AT BOSTON						
East of 66° W. longitude:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
La Have Bank	2,810,503	$142,398			2,810,503	$142,398
Western Bank	3,894,559	161,590			3,894,559	161,590
Quereau Bank	461,593	71,221			461,593	71,221
Green Bank	17,491	2,420			17,491	2,420
Grand Bank	121,213	21,422			121,213	21,422
St. Peters Bank	163,552	32,448			163,552	32,448
Burgeo Bank	110,173	13,151			110,173	13,151
Cape Shore	1,850,305	128,215	44,400	$2,784	1,894,705	130,999
Gulf of St. Lawrence	104,824	13,380			104,824	13,380
The Gully	199,072	46,646			199,072	46,646
West of 66° W. longitude:						
Browns Bank	10,348,796	424,930			10,348,796	424,930
Georges Bank	29,553,082	1,416,304	16,250	721	29,569,332	1,417,025
Cashes Bank	451,705	13,349			451,705	13,349
Fippenies Bank	144,911	5,333			144,911	5,333
Middle Bank	4,301,531	175,927	2,000	160	4,303,531	176,087
German Bank	22,600	608			22,600	608
Jeffreys Ledge	6,020,362	236,743	79,800	5,987	6,100,162	242,730
South Channel	54,786,423	1,871,919	25,600	2,031	54,812,023	1,873,950
Nantucket Shoals	8,017,882	300,920	34,400	2,752	8,052,282	303,672
Off Chatham	7,959,108	365,926	78,200	5,797	8,037,308	371,723
Seal Island	123,134	3,378			123,134	3,378
Shore, general	17,260,229	633,190	34,800	2,628	17,295,029	635,818
Total	148,723,048	6,081,418	315,450	22,860	149,038,498	6,104,278
LANDED AT GLOUCESTER						
East of 66° W. longitude:						
La Have Bank	1,290,740	26,193	91,120	4,230	1,381,860	30,423
Western Bank	11,130,339	226,842	1,452,674	64,555	12,583,013	291,397
Quereau Bank	1,247,313	26,323	490,225	22,535	1,737,538	48,858
Green Bank	830	10	6,030	279	6,860	289
Grand Bank			13,740	638	13,740	638
St. Peters Bank	9,600	192	51,545	2,393	61,145	2,585
Burgeo Bank	2,280	112	23,530	1,085	25,810	1,197
Off Newfoundland			2,400,336	84,265	2,400,336	84,265
Cape Shore	38,110	1,894	141,358	9,012	179,468	10,906
Gulf of St. Lawrence	34,705	1,558	6,485	374	41,190	1,932
Strait of Belleisle	90,255	9,079	9,860	483	100,115	9,562
West of 66° W. longitude:						
Browns Bank	1,605,985	34,584	140,575	4,730	1,746,560	39,314
Georges Bank	11,090,685	212,472	801,175	37,736	11,891,860	250,208
Middle Bank	3,576,270	104,858	825,665	63,190	4,401,935	168,048
Jeffreys Ledge	134,400	3,350	10,000	800	144,400	4,150
South Channel	2,857,955	37,927	159,740	11,815	3,017,695	49,742
Nantucket Shoals	386,985	6,607			386,985	6,607
Off Chatham	287,380	7,706	402,800	28,661	690,180	36,367
Seal Island	27,000	521	9,000	419	36,000	940
Shore, general	8,349,889	333,183	275,364	19,969	8,625,253	353,152
Total	42,160,721	1,033,411	7,311,222	357,169	49,471,943	1,390,580

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Fishing grounds	Total				Grand total	
	Fresh		Salted			
LANDED AT PORTLAND						
East of 66° W. longitude:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
La Have Bank	44,705	$7,628			44,705	$7,628
Western Bank	4,676,821	106,505	58,674	$1,977	4,735,495	108,482
Quereau Bank	200,742	36,499	4,345	185	205,087	36,684
Grand Bank	21,701	2,941			21,701	2,941
St. Peters Bank	83,151	11,035			83,151	11,035
Cape Shore	25,268	6,755			25,268	6,755
Gulf of St. Lawrence	12,376	1,421			12,376	1,421
St. Anns Bank	12,279	2,762			12,279	2,762
The Gully	59,674	7,975	24,285	1,135	83,959	9,110
West of 66° W. longitude:						
Browns Bank	268,131	23,229	44,655	2,060	312,786	25,289
Georges Bank	763,975	38,354	9,950	471	773,925	38,825
Cashes Bank	828,099	21,800			828,099	21,800
Fippenies Bank	274,387	10,661			274,387	10,661
Middle Bank	21,400	996			21,400	996
Platts Bank	1,326,558	55,112			1,326,558	55,112
Jeffreys Ledge	3,107,029	100,173	5,260	418	3,112,289	100,591
South Channel	687,139	15,267			687,139	15,267
Nantucket Shoals	763,364	14,599			763,364	14,599
Seal Island	135,508	12,423	75,663	2,382	211,171	14,805
Shore, general	4,820,725	135,818	2,960	131	4,823,685	135,949
Total	18,133,032	611,953	225,792	8,759	18,358,824	620,712
Grand total	209,016,801	7,726,782	7,852,464	388,788	216,869,265	8,115,570

NOTE.—The items under "Miscellaneous" include bluebacks, 385,837 pounds, value $5,464; bonito, 30 pounds, value $2; butterfish, 13,847 pounds, value $2,200; eels, 300 pounds, value $6; flounders 6,637,972 pounds, value $275,787; herring, fresh, 1,542,465 pounds, value $18,553; herring, salted, 2,400,336 pounds, value $84,265; menhaden, 40,000 pounds, value $300; rosefish, 54,610 pounds, value $926; salmon, 8 pounds, value $1; shad, 1,498 pounds, value $115; sharks, 9,232 pounds, value $233; skates, 49,540 pounds, value $1,019; smelt, 362 pounds, value $36; sturgeon, 2,342 pounds, value $580; swordfish, 1,527,180 pounds, value $385,929; tuna, 145 pounds, value $3; whiting, 14,565 pounds, value $533; wolffish, 299,816 pounds, value $7,149; lobster, 48 pounds, value $16; squid, 1,541 pounds, value $28; scallops, 48 pounds, value $18; spawn, 170,908 pounds, value $11,211; and tongues 840 pounds, value $48.

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925

Month	Trips	Days absent	Cod							
			Large (10 pounds and over)				Market (under 10 and over 2½ pounds)			
			Fresh		Salted		Fresh		Salted	
			Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON										
January	261	1,661	1,468,394	$119,191			539,205	$31,088		
February	284	1,741	3,623,325	117,354			462,914	15,919		
March	355	2,238	4,060,210	138,990			571,061	19,447		
April	268	2,601	2,095,655	81,037			717,989	19,425		
May	274	2,077	1,884,939	60,293	16,250	$721	984,437	22,740		
June	394	2,813	2,199,447	77,430			991,220	24,180		
July	502	3,393	1,956,836	75,781			1,027,855	26,462		
August	560	3,277	2,303,985	83,105			1,073,958	25,768		
September	513	2,374	2,120,785	87,481			921,455	23,625		
October	431	2,178	1,791,275	111,072			844,818	32,860		
November	321	1,729	1,844,289	97,064			844,540	24,860		
December	241	1,680	1,229,600	92,181			555,965	27,167		
Total	4,404	27,762	26,578,740	1,141,069	16,250	721	9,535,417	293,541		
LANDED AT GLOUCESTER										
January	117	263	145,935	14,439			12,240	886		
February	175	445	1,366,475	35,168	24,830	1,180	53,220	1,179	2,060	$77
March	280	800	3,036,115	85,720	6,010	303	122,235	2,638	265	11
April	307	823	1,344,365	49,428	74,745	3,552	155,655	3,037	16,410	655
May	305	1,288	2,408,035	64,696	240,099	11,852	518,697	9,872	58,651	2,399
June	217	1,798	4,019,905	92,918	501,865	24,517	973,285	16,867	296,842	12,526
July	156	1,350	3,311,970	77,110	400,315	19,880	886,905	17,641	103,710	4,265
August	239	1,608	2,069,445	48,795	651,930	30,499	512,913	9,307	147,005	5,973
September	313	1,371	1,628,100	44,177	249,675	10,441	450,040	8,749	44,285	1,647
October	149	630	304,600	12,968	113,075	5,822	158,485	3,303	17,320	712
November	167	326	130,040	7,564			10,140	271		
December	66	333	33,610	3,917			4,870	343		
Total	2,491	11,035	19,798,595	536,900	2,262,544	108,046	3,858,685	74,093	686,548	28,265
LANDED AT PORTLAND										
January	104	118	67,671	6,302			29,968	1,625		
February	82	161	301,690	7,783	820	37	44,160	1,835		
March	144	237	534,129	12,617	1,985	99	60,711	1,779	950	38
April	157	379	483,379	13,718	4,345	185	145,943	3,246	1,385	55
May	124	405	837,604	19,107	19,635	979	37,995	764	6,765	280
June	132	336	374,442	11,369	10,175	229	20,554	452	2,500	50
July	160	564	348,692	13,400	38,350	1,867	12,004	304	7,085	283
August	197	530	259,378	10,543	31,888	1,515	20,270	487	10,945	438
September	129	332	189,939	7,042	19,720	937	25,124	636	2,000	80
October	109	232	83,386	4,031			41,708	1,217		
November	95	200	73,283	3,409			43,031	1,191		
December	76	156	49,144	3,275	30	1	42,350	1,836	520	23
Total	1,509	3,650	3,602,737	112,596	126,948	5,849	523,818	15,372	32,150	1,247
Grand total	8,404	42,447	49,980,072	1,790,565	2,405,742	114,616	13,917,920	383,006	718,698	29,512
Grounds east of 66° W. long	491		13,593,770	370,929	1,564,051	74,854	3,443,090	74,694	519,747	21,367
Grounds west of 66° W. long	7,913		36,386,302	1,419,636	841,691	39,762	10,474,830	308,312	198,951	8,145
Landed at Boston in 1924	3,735		24,893,292	1,070,442	17,000	613	10,959,426	324,467		
Landed at Gloucester in 1924	2,157		14,229,650	385,909	1,862,222	92,156	4,161,361	76,924	732,906	28,573
Landed at Portland in 1924	1,583		3,522,984	129,523	121,360	6,127	606,387	17,266	23,725	935

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Month	Cod—Continued				Haddock			
	Scrod (1 to 2½ pounds)				Large (over 2½ pounds)			
	Fresh		Salted		Fresh		Salted	
LANDED AT BOSTON	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
January	10,120	$255			5,025,545	$278,221		
February	3,665	121			7,051,580	238,377		
March	2,520	52			7,913,245	290,460		
April	485	6			5,265,478	161,885		
May	2,535	22			3,773,265	108,952		
June	250	3			3,945,207	86,617		
July	2,845	43			3,727,160	83,692		
August	10,055	110			4,046,813	80,318		
September	4,985	47			5,044,050	102,958		
October	5,710	95			5,454,525	220,294		
November	29,530	386			5,809,079	185,035		
December	11,920	303			4,332,230	261,915		
Total	84,620	1,443			61,388,177	2,098,724		
LANDED AT GLOUCESTER								
January					24,695	1,376		
February					570,065	9,812		
March			90	$2	1,095,595	18,388		
April	2,335	27	160	4	1,205,745	25,695		
May	3,470	35	400	9	820,455	21,046		
June	125	1	5,400	189	1,175,870	18,347		
July	5,285	57	474	15	1,035,890	13,243	7,015	$175
August	510	7	2,180	63	1,025,590	10,352	9,075	227
September	785	8			1,187,690	12,873	8,000	199
October	700	7	475	14	306,865	3,462		
November					71,940	1,899		
December					2,110	159		
Total	13,210	142	9,179	296	8,522,510	136,652	24,090	601
LANDED AT PORTLAND								
January	11,348	218			345,575	23,120		
February	8,135	141	340	7	784,045	26,359		
March	13,955	174			782,200	23,903		
April	18,344	147	7,731	187	1,318,103	28,040		
May	7,860	39	8,730	238	1,557,965	30,168		
June	2,420	16			1,039,858	19,862		
July	1,915	12	1,100	22	123,167	2,835		
August	1,730	9	350	10	141,594	4,183		
September	5,370	33			174,158	6,090		
October	12,015	100			388,612	16,282		
November	8,100	81			411,607	13,454		
December	10,003	193	1,243	31	312,314	18,065	385	10
Total	101,195	1,163	19,494	495	7,379,198	212,361	385	10
Grand total	199,025	2,748	28,673	791	77,289,885	2,447,737	24,475	611
Grounds east of 66° W. long	22,540	261	27,348	756	6,779,590	149,359	24,475	611
Grounds west of 66° W. long	176,485	2,487	1,325	35	70,510,295	2,298,378		
Landed at Boston in 1924	176,390	3,639			57,118,561	1,847,134		
Landed at Gloucester in 1924	17,515	146	30,973	943	4,673,621	84,685	323	8
Landed at Portland in 1924	88,882	529	4,680	114	6,179,070	177,330	3,095	62

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Month	Haddock—Continued				Hake			
	Scrod (1 to 1½ pounds)				Large (6 pounds and over)			
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON								
January	1,345,500	$41,628			171,755	$13,227		
February	1,426,380	38,024			147,990	9,010		
March	2,035,065	53,997			111,385	9,159		
April	1,209,560	22,375			166,570	9,219		
May	872,680	12,918			90,570	2,857		
June	832,940	9,230			60,095	1,372		
July	674,075	6,242			60,865	1,458		
August	622,900	5,344			23,055	598		
September	714,520	7,656			166,685	2,704		
October	1,202,275	25,788			218,420	6,332		
November	980,180	16,557			365,638	7,402		
December	977,000	39,927			119,885	6,914		
Total	12,893,075	279,686			1,702,913	70,252		
LANDED AT GLOUCESTER								
February	31,725	399						
March	160,320	2,004						
April	90,830	1,136			1,200	15		
May	57,225	715			19,710	275	435	$10
June	155,050	1,938			21,140	269	3,965	84
July	199,235	1,838			41,445	523	4,045	104
August	100,300	753			24,655	309	2,990	59
September	182,890	1,396			109,095	1,518	220	5
October	57,260	327			86,420	1,921	4,225	104
November					150	2		
Total	1,034,835	10,506			303,815	4,832	15,880	366
LANDED AT PORTLAND								
January	84,983	1,658						
February	55,227	1,022						
March	58,465	691			730	42		
April	274,645	4,408			7,745	345		
May	17,665	91	770	$21				
June	17,487	89			4,433	47		
July	15,500	107			2,320	47		
August	21,115	105			895	18		
September	21,180	125			257	5		
October	34,410	318						
November	26,167	273						
December	16,376	293			270	14		
Total	643,220	9,180	770	21	16,650	518		
Grand total	14,571,130	299,372	770	21	2,023,378	75,602	15,880	366
Grounds east of 66° W. longitude	88,725	1,396	770	21	84,035	1,666	6,240	137
Grounds west of 66° W. longitude	14,482,405	297,976			1,939,343	73,936	9,640	229
Landed at Boston in 1924	11,023,748	190,527			588,667	19,103		
Landed at Gloucester in 1924	468,165	5,009			251,099	4,794	20,134	350
Landed at Portland in 1924	433,827	3,823	1,365	27	19,775	777		

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Month	Hake—Continued				Pollock			
	Small (under 6 pounds)							
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON								
January	83,595	$3,813			153,732	$10,508		
February	69,485	3,012			181,930	7,504		
March	54,780	2,836			72,580	3,822		
April	54,815	1,789			105,031	4,687		
May	88,445	1,920			98,370	3,494		
June	171,760	4,761			162,665	5,554		
July	295,175	6,589			214,610	6,594		
August	234,305	5,933			294,000	7,807		
September	493,693	8,323			316,860	7,064		
October	699,305	18,742			340,745	8,124		
November	576,035	10,968			469,976	9,918		
December	122,035	6,947			349,040	16,287		
Total	2,943,428	75,633			2,759,539	91,363		
LANDED AT GLOUCESTER								
January					3,375	288		
February					6,325	175		
March					10,840	136		
April					21,520	269	695	$18
May					20,215	268	650	16
June					21,989	277	3,960	99
July					34,710	457	5,205	136
August					38,905	487	13,120	329
September					308,485	5,957	7,047	171
October					475,190	13,084	1,615	40
November					694,765	13,179		
December					154,180	7,538		
Total					1,790,499	42,115	32,292	809
LANDED AT PORTLAND								
January	64,090	3,729			64,379	733		
February	30,481	1,286			7,895	237	40	1
March	26,979	1,013			45,488	700		
April	27,028	835			52,363	790	8,865	209
May	91,697	1,619	310	$7	48,508	671	4,840	95
June	29,606	514			61,709	1,396	170	3
July	29,521	550	245	3	148,006	3,193		
August	23,733	432			83,852	1,829	350	11
September	67,235	1,458			56,824	1,104	135	5
October	195,674	4,785			69,456	1,185	620	20
November	179,080	3,457			34,180	565		
December	56,945	2,365	410	12	19,863	548		
Total	822,069	22,043	965	22	692,523	12,951	15,020	344
Grand total	3,765,497	97,676	965	22	5,242,561	146,429	47,312	1,153
Grounds east of 66° W. longitude	11,520	267	410	12	618,504	14,353	39,322	944
Grounds west of 66° W. longitude	3,753,977	97,409	555	10	4,624,057	132,076	7,990	209
Landed at Boston in 1924	5,110,027	129,356	1,150	32	2,144,519	84,287		
Landed at Gloucester in 1924					2,289,593	60,640	11,390	214
Landed at Portland in 1924	1,293,169	31,677	590	12	632,826	14,179	6,950	118

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Month	Cusk				Halibut			
	Fresh		Salted		Fresh		Salted	
LANDED AT BOSTON	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
January	191,979	$7,210			18,179	$7,343		
February	218,670	6,648			156,151	35,234		
March	234,387	6,454			160,927	37,688		
April	256,130	5,164			484,137	79,446		
May	174,945	2,845			622,772	103,275		
June	75,645	1,709			387,174	65,423		
July	52,425	1,121			351,588	66,320		
August	76,615	1,610			255,386	49,607		
September	74,899	1,817			234,093	49,273		
October	177,772	3,744			150,514	34,270		
November	248,270	4,584			9,701	3,908		
December	117,410	4,278			7,253	3,648		
Total	1,899,147	47,184			2,837,875	535,435		
LANDED AT GLOUCESTER								
February							75	$8
March	4,270	42						
April	101,395	1,488	100	$3	1,080	97		
May	117,530	1,617	1,060	27	128	10		
June	82,070	1,188	6,185	165	102,160	10,785	810	113
July	123,155	1,788	20,395	462			210	25
August	72,960	1,014	4,475	121			310	28
September	79,030	1,011	48,260	875			235	22
October	60,495	884	2,355	61	60	5		
November	5,580	66						
December							5,940	238
Total	646,485	9,098	82,830	1,714	103,428	10,897	7,580	434
LANDED AT PORTLAND								
January	120,835	6,043			940	214		
February	117,653	3,435			1,444	305		
March	289,143	5,918			21,468	3,518	60	2
April	178,245	3,554			34,357	6,913		
May	94,421	1,447			90,215	15,944		
June	17,399	346	24,000	300	118,159	19,335		
July	29,950	474			110,794	20,989		
August	20,440	304			122,665	22,626		
September	28,821	524			101,247	16,044		
October	58,458	1,227			8,756	2,108		
November	61,845	1,130			1,468	256		
December	43,178	1,899			646	152		
Total	1,060,388	26,301	24,000	300	612,159	108,404	60	2
Grand total	3,606,020	82,583	106,830	2,014	3,553,462	654,736	7,640	436
Grounds east of 66° W. longitude	347,570	5,961	48,830	1,003	1,986,173	342,970	1,320	164
Grounds west of 66° W. longitude	3,258,450	76,622	58,000	1,011	1,567,289	311,766	6,320	272
Landed at Boston in 1924	1,860,576	38,443			3,934,627	711,946		
Landed at Gloucester in 1924	691,395	11,009	55,515	1,309	10,605	954	530	58
Landed at Portland in 1924	792,035	17,199	6,070	154	476,384	76,651		

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Month	Mackerel				Miscellaneous [1]			
	Fresh		Salted		Fresh		Salted	
LANDED AT BOSTON	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
January					476,646	$28,198		
February					686,323	27,278		
March					780,928	26,282		
April					636,091	18,004		
May	91,680	$10,717			601,810	12,540		
June	2,109,136	126,073	44,400	$2,784	712,457	43,676		
July	3,157,685	178,583	42,600	3,367	1,274,956	190,038		
August	5,253,069	215,818	105,800	8,241	997,121	132,456		
September	5,324,023	170,311	106,400	7,747	585,135	45,319		
October	2,113,610	128,295			414,158	25,458		
November	38,220	7,036			357,648	21,062		
December					489,421	39,944		
Total	18,087,423	836,833	299,200	22,139	8,012,694	610,255		
LANDED AT GLOUCESTER								
January					166,780	11,110	278,000	$10,650
February					168,417	9,299		
March					81,390	3,601		
April					90,700	2,268		
May	74,284	5,354			44,000	660		
June	152,568	8,792	141,358	9,012	141,415	4,101		
July	114,820	6,367	137,400	10,855	40,000	300		
August	2,074,760	61,056	639,265	47,368	30,000	450		
September	2,589,700	72,866	727,400	55,038				
October	179,770	8,662	144,520	10,100	10,000	100		
November	50,635	9,725			29,800	827	757,400	28,552
December					49,620	2,638	1,364,936	45,063
Total	5,236,537	172,822	1,789,943	132,373	852,122	35,354	2,400,336	84,265
LANDED AT PORTLAND								
January					4,336	144		
February					25,310	616		
March					11,351	374		
April					7,596	146		
May	120	19			6,817	110		
June	41,203	2,487			142,900	2,114		
July	5,601	507			204,145	22,192		
August	392,916	13,200	5,640	445	781,399	28,008		
September	348,308	10,217	360	24	318,537	7,721		
October	2,609	86			319,614	2,560		
November					64,684	518		
December					1,629	45		
Total	790,757	26,516	6,000	469	1,888,318	64,548		
Grand total	24,114,717	1,036,171	2,095,143	154,981	10,753,134	710,157	2,400,336	84,265
Grounds east of 66° W. longitude	1,502,918	89,262	185,758	11,796	235,739	57,497	2,400,336	84,265
Grounds west of 66° W. longitude	22,611,799	946,909	1,909,385	143,185	10,517,395	652,660		
Landed at Boston in 1924	6,181,439	337,933	137,070	9,983	6,639,764	629,185	180,000	4,500
Landed at Gloucester in 1924	1,835,861	91,093	1,105,124	80,394	634,458	12,437	2,763,480	103,871
Landed at Portland in 1924	457,022	21,297	40,993	1,084	1,424,829	51,002		

[1] Includes herring from Newfoundland, 2,400,336 pounds, salted, valued at $84,265.

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1925—Continued

Month	Total				Grand total	
	Fresh		Salted			
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON						
January	9,484,650	$540,682			9,484,650	$540,682
February	14,028,413	498,481			14,028,413	498,481
March	15,997,088	589,187			15,997,088	589,187
April	10,991,941	403,037			10,991,941	403,037
May	9,286,448	342,573	16,250	$721	9,302,698	343,294
June	11,647,996	446,028	44,400	2,784	11,692,396	448,812
July	12,796,075	643,013	42,600	3,367	12,838,675	646,380
August	15,191,262	608,474	105,800	8,241	15,297,062	616,715
September	16,001,183	506,578	106,400	7,747	16,107,583	514,325
October	13,413,127	615,074			13,413,127	615,074
November	11,573,106	388,780			11,573,106	388,780
December	8,311,759	499,511			8,311,759	499,511
Total	148,723,048	6,081,418	315,450	22,860	149,038,498	6,104,278
LANDED AT GLOUCESTER						
January	353,025	28,099	278,000	10,650	631,025	38,749
February	2,196,227	56,032	26,965	1,265	2,223,192	57,297
March	4,510,765	112,529	6,365	316	4,517,130	112,845
April	3,014,825	83,460	92,110	4,232	3,106,935	87,692
May	4,083,749	104,548	301,295	14,313	4,385,044	118,861
June	6,845,577	155,483	960,385	46,705	7,805,962	202,188
July	5,793,415	119,324	678,769	35,917	6,472,184	155,241
August	5,950,038	132,530	1,470,350	84,667	7,420,388	217,197
September	6,535,815	148,555	1,085,122	68,398	7,620,937	216,953
October	1,639,845	44,723	283,585	16,853	1,923,430	61,576
November	993,050	33,533	757,400	28,552	1,750,450	62,085
December	244,390	14,595	1,370,876	45,301	1,615,266	59,896
Total	42,160,721	1,033,411	7,311,222	357,169	49,471,943	1,390,580
LANDED AT PORTLAND						
January	794,125	43,786			794,125	43,786
February	1,376,040	43,019	1,200	45	1,377,240	43,064
March	1,844,619	50,729	2,995	139	1,847,614	50,868
April	2,547,748	62,142	22,326	636	2,570,074	62,778
May	2,790,867	69,979	41,050	1,620	2,831,917	71,599
June	1,870,170	58,027	36,845	582	1,907,015	58,609
July	1,031,615	64,610	46,780	2,175	1,078,395	66,785
August	1,869,987	81,744	49,173	2,419	1,919,160	84,163
September	1,337,000	50,999	22,215	1,046	1,359,215	52,045
October	1,214,698	33,899	620	20	1,215,318	33,919
November	903,445	24,334			903,445	24,334
December	552,718	28,685	2,588	77	555,306	28,762
Total	18,133,032	611,953	225,792	8,759	18,358,824	620,712
Grand total	209,016,801	7,726,782	7,852,464	388,788	216,869,265	8,115,570
Grounds east of 66° W. longitude	28,714,174	1,108,615	4,818,607	195,930	33,532,781	1,304,545
Grounds west of 66° W. longitude	180,302,627	6,618,167	3,033,857	192,858	183,336,484	6,811,025
Landed at Boston in 1924	130,631,036	5,386,462	335,220	15,128	130,966,256	5,401,590
Landed at Gloucester in 1924	29,263,323	733,600	6,582,597	307,876	35,845,920	1,041,476
Landed at Portland in 1924	15,927,190	541,253	208,828	8,633	16,136,018	549,886

The fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by fishing vessels each year are taken chiefly from fishing grounds off the coast of the United States. In the calendar year 1925, 84.37 per cent of the quantity and 83.69 per cent of the value were from these grounds; 1.44 per cent of the quantity and 2.24 per cent of the value, consisting principally of cod, halibut, and herring, were from fishing banks off the coast of Newfoundland; and

14.19 per cent of the quantity and 14.07 per cent of the value were from fishing grounds off the Canadian Provinces. Compared with the previous year, there was some increase in the percentage of products from grounds off the coast of the United States and a decrease from grounds off Newfoundland and the Canadian Provinces. Newfoundland herring constituted 1.11 per cent of the quantity and 1.04 per cent of the value of the fishery products landed at these ports by fishing vessels during the year. The herring were taken from the treaty coast of Newfoundland and the cod, haddock, hake, halibut, and other species from that region were obtained from fishing banks on the high seas. All fish caught by American fishing vessels off the coast of the Canadian Provinces were from offshore fishing grounds. The catch from each of these regions is shown in detail in the following table:

Quantity and value of fish landed by American fishing vessels at Boston and Gloucester, Mass., and Portland, Me., in 1925, from fishing grounds off the coasts specified

Species	United States		Newfoundland		Canadian Provinces		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod:								
Fresh	46,972,772	$1,728,302	32,370	$1,091	17,091,875	$446,926	64,097,017	$2,176,319
Salted	981,924	45,457	103,485	4,777	2,067,704	94,685	3,153,113	144,919
Haddock:								
Fresh	84,934,900	2,595,135	310	10	6,925,80	151,964	91,861,015	2,747,109
Salted					25,245	632	25,245	632
Hake:								
Fresh	5,690,770	171,306	5,020	63	93,085	1,909	5,788,875	173,278
Salted	10,095	237	295	6	6,455	145	16,845	388
Pollock:								
Fresh	4,623,597	132,068	1,500	30	617,464	14,331	5,242,561	146,429
Salted	7,470	195			39,842	958	47,312	1,153
Cusk:								
Fresh	3,166,130	75,335	1,620	27	438,270	7,221	3,606,020	82,583
Salted	34,000	711	240	6	72,590	1,297	106,830	2,014
Halibut:								
Fresh	1,499,622	300,130	577,842	91,306	1,475,998	263,300	3,553,462	654,736
Salted	6,320	272	685	89	635	75	7,640	436
Mackerel:								
Fresh	22,611,799	946,909			1,502,918	89,262	24,114,717	1,036,171
Salted	1,909,385	143,185			185,758	11,796	2,095,143	154,981
Herring:								
Fresh	1,542,465	18,553					1,542,465	18,553
Salted			2,400,336	84,265			2,400,336	84,265
Swordfish: Fresh	1,324,026	329,597	744	235	202,410	56,097	1,527,180	385,929
Miscellaneous: Fresh	7,650,904	304,510	840	48	31,745	1,117	7,683,489	305,675
Total	182,966,179	6,791,902	3,125,287	181,953	30,777,799	1,141,715	216,869,265	8,115,570

SPECIES

Cod.—In 1925 there were 3 vessels in the salt-bank fishery and 100 in the market fishery, or 2 vessels less in each of these fisheries than in 1924. These vessels landed their fares of cod, haddock, and other ground fish at these ports during the year, and large quantities also were landed by vessels fishing on the shore grounds. The catch of cod landed at these ports during the year was 67,250,130 pounds, valued at $2,321,238, of which 64,097,017 pounds, valued at $2,176,319, were landed fresh, and 3,153,113 pounds valued at $144,919 were landed salted. Cod ranked second in both quantity and value among the various species.

Haddock.—Haddock ranked first in both quantity and value, the catch exceeding that of cod by 24,636,130 pounds and $426,503 in value. The quantity of haddock landed at these ports by fishing vessels during the year was 91,886,260 pounds valued at $2,747,741, all fresh except 25,245 pounds valued at $632, salted. These fish were taken chiefly from Browns Bank, Georges Bank, South Channel, Nantucket Shoals, and shore grounds; and about 48 per cent of the quantity and 45 per cent of the value were taken in the otter-trawl fishery. The greater part of the catch, or 74,281,252 pounds, valued at $2,378,410, was landed at Boston.

Hake.—The catch of hake amounted to 5,805,720 pounds valued at $173,666, all landed fresh except 16,845 pounds valued at $388, salted. Of this catch 4,646,341 pounds valued at $145,885 were landed at Boston, 319,695 pounds valued at $5,198 at Gloucester, and 839,694 pounds valued at $22,583 at Portland. More than half of the catch, or 3,072,223 pounds, valued at $95,100, was taken in South Channel; and about 80 per cent of the quantity at 84 per cent of the value were landed at Boston.

Pollock.—The catch of pollock amounted to 5,289,873 pounds valued at $147,582, all landed fresh except 47,312 pounds salted, valued at $1,153. The greater part of the catch was obtained from Georges Bank, South Channel, and the shore grounds, and most of it was landed at Boston and Gloucester.

Cusk.—The catch of cusk amounted to 3,712,850 pounds valued at $84,597, all landed fresh except 106,830 pounds salted, valued at $2,014. More than half of the catch was landed at Boston. Compared with the previous year there was an increase in the catch of cusk of 307,259 pounds and $16,483 in the value.

Halibut.—The catch of halibut amounted to 3,561,102 pounds valued at $655,172, all landed fresh except 7,640 pounds salted, valued at $436. There was a decrease of 19.47 per cent in the quantity and 17.03 per cent in the value of the halibut landed, as compared with the previous year. The quantity landed at Boston was 2,837,875 pounds valued at $535,435, at Gloucester 111,008 pounds valued at $11,331, and at Portland 612,219 pounds valued at $108,406.

Mackerel.—The catch of mackerel was larger in 1925 than in any year since 1885. The total catch of fresh mackerel taken by the American fishing fleet in 1925 was 203,961 barrels, or 30,594,150 pounds, compared with 102,067 barrels, or 15,310,050 pounds, in 1924, an increase of 101,894 barrels, or 15,284,100 pounds. The total catch of salted mackerel landed by the fishing fleet was 12,442 barrels, or 2,488,400 pounds, compared with 10,841 barrels, or 2,168,200 pounds, in 1924, an increase of 1,601 barrels, or 320,200 pounds. In 1925 about 20,000 barrels of salted mackerel were prepared from mackerel landed fresh, as compared with about 8,000 barrels in 1924. The quantity of mackerel landed at Boston, Gloucester, and Portland by fishing vessels during the year was 26,209,860 pounds, valued at $1,191,152, of which 24,114,717 pounds, valued at $1,036,171, were fresh and 2,095,143 pounds, valued at $154,981, were salted. There was an increase in the total catch of mackerel landed by fishing vessels at these ports of 16,452,351 pounds and of $649,368 in value as compared with 1924.

In 1925 the catch of mackerel up to July 1 was 46,934 barrels fresh and 1,075 barrels salted, compared with 38,916 barrels fresh and 860 barrels salted up to July 3 in 1924. The southern mackerel fleet consisted of about 33 purse-seine vessels and about the usual number of gill-net vessels. The catch taken by seiners was the largest for a number of years. The netters also had a successful season. The first arrivals were at Cape May on April 13 and consisted of five fares amounting to about 87,000 pounds. The fish were shipped to New York and Boston, where they were sold at 23 to 25 cents per pound. The first arrival at Boston direct from the southern fleet was on May 6 and consisted of about 3,000 pounds of large and medium mackerel, which were sold at 19 cents per pound. In June small mackerel weighing about 1 pound each were caught in the vicinity of Block Island and along the shore to Boston Bay. The traps at Provincetown also caught mackerel of about this size. Good catches of mackerel also were taken along the coast of New Jersey in June. These were small fish that weighed from three-quarters of a pound to 1 pound each. The Cape Shore catch of fresh mackerel was the largest since 1921, and the salted catch was the largest since 1922. The mackerel landed included large and medium fish, such as usually are landed from this fishing ground. The first trip of mackerel from Cape Shore was landed at Boston on May 28 and consisted of 24,000 pounds of large and medium fish, which were sold at 13 cents per pound. Fresh mackerel from Cape Shore sold during the season at from 4½ to 13 cents per pound, and salted mackerel brought $12 to $13 per barrel. The Cape Shore catch of mackerel for the past five years, shown in pounds, was as follows:

Year	Trips	Fresh	Salted
1925	34	1,545,000	215,000
1924	24	996,000	170,800
1923	31	1,240,680	42,200
1922	38	1,353,900	468,800
1921	29	2,160,100	628,400

Swordfish.—The catch of swordfish amounted to 1,527,180 pounds, valued at $385,929. There were 41 vessels engaged in this fishery, or 4 less than in the previous year. There was a decrease in the catch, as compared with the previous year, amounting to 24.52 per cent in quantity and 14.21 per cent in value.

Flounders.—The catch of flounders taken in the vessel fisheries amounted to 6,637,972 pounds, valued at $275,787, an increase of 2,302,745 pounds, or 53.12 per cent, in quantity, and of $84,272, or 44 per cent, in value. The catch taken by boats under 5 tons net tonnage is not included in these statistics.

Herring.—The catch of herring amounted to 3,942,801 pounds, valued at $102,818. Of this quantity 1,542,465 pounds, valued at $18,553, were taken off the coast of the United States and landed fresh. The rest, consisting of 2,400,336 pounds salted, valued at $84,265, were Newfoundland herring.

OTTER-TRAWL FISHERY

In 1925 there were 607 trips landed at Boston, Gloucester, and Portland by 29 otter-trawl vessels, amounting to 54,605,918 pounds of fish, valued at $1,682,768, or 25.18 per cent of the quantity and 20.74 per cent of the value of the total catch landed by fishing vessels at these ports during the year. In making these trips (including the date of departure and date of arrival) the vessels were absent from port 5,059 days. The catch included cod, 7,309,930 pounds, valued at $260,133; haddock, 44,034,281 pounds, valued at $1,238,577; hake, 711,212 pounds, valued at $25,898; pollock, 1,179,347 pounds, valued at $43,832; cusk, 12,010 pounds, valued at $828; halibut, 84,619 pounds, valued at $19,626; and other species, 1,274,519 pounds, valued at $93,874. Otter trawls catch chiefly haddock, and in 1925 their catch amounted to 47.92 per cent of the quantity and 45.08 per cent of the value of the entire catch of this species landed by fishing vessels at these ports. The otter-trawl catch was taken chiefly from Western Bank, Georges Bank, South Channel, and Nantucket Shoals.

Compared with 1924, there was a decrease of 3 vessels in the otter-trawl fishery but an increase of 64 trips. There was an increase, also, of 7,902,883 pounds, or 16.92 per cent, in the quantity, and $355,037, or 26.74 per cent, in the value of fish landed.

The following tables give the catch landed by otter trawlers at these ports in 1925, by fishing grounds and by months, and also the catch of cod, haddock, and hake landed by them in various years.

Fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by otter trawlers in 1925

[Salt fish have been reduced to the basis of weights of fresh fish]

	Trips	Days absent	Cod		Haddock		Hake		Pollock	
BY FISHING GROUNDS										
			Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
East of 66° W. longitude:										
Western Bank	72	859	3,426,939	$99,959	4,743,538	$103,528	7,927	$103	504,436	$12,253
West of 66° W. longitude:										
Georges Bank	104	875	1,699,110	67,418	7,618,270	212,458	16,605	651	36,365	1,907
South Channel	351	2,687	1,926,696	82,214	25,221,168	736,132	573,475	21,111	482,896	24,566
Nantucket Shoals	75	596	236,035	9,597	6,283,005	178,351	104,145	3,527	149,350	4,805
Off Chatham	3	25	7,250	449	112,800	6,780	6,935	471	5,900	281
Shore, general	2	17	13,900	496	55,500	1,328	2,125	35	400	20
Total	607	5,059	7,309,930	260,133	44,034,281	1,238,577	711,212	25,898	1,179,347	43,832
BY MONTHS										
January	52	460	466,532	36,525	3,061,360	137,694	34,930	2,777	90,102	6,977
February	60	476	771,201	28,591	4,839,640	155,712	32,685	2,479	124,411	5,480
March	74	592	1,218,402	35,507	5,879,423	178,310	25,095	2,305	84,831	3,357
April	56	494	822,279	23,738	4,936,305	114,947	38,120	1,811	114,402	2,975
May	45	430	996,852	21,806	4,033,575	86,509	86,330	1,895	91,076	1,998
June	49	436	393,760	9,202	3,476,270	57,121	96,420	2,151	23,950	568
July	41	334	374,305	9,072	2,645,390	37,875	63,070	1,421	7,880	143
August	32	255	445,497	10,772	2,018,235	26,727	55,860	1,460	13,205	381
September	40	305	368,035	11,790	2,678,940	41,010	80,785	1,486	58,345	1,450
October	43	354	438,155	22,741	3,050,595	89,423	65,575	1,506	78,725	2,265
November	49	437	795,435	32,275	3,423,450	92,224	46,750	851	214,155	4,580
December	66	486	219,477	18,114	3,991,098	221,025	85,592	5,756	278,265	13,658
Total	607	5,059	7,309,930	260,133	44,034,281	1,238,577	711,212	25,898	1,179,347	43,832

Fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by otter trawlers in 1925—Continued

	Cusk		Halibut		Miscellaneous		Total	
BY FISHING GROUNDS								
East of 66° W. longitude:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Western Bank			19,890	$2,889	31,245	$1,092	8,733,975	$219,824
West of 66° W. longitude:								
Georges Bank	5,805	$325	16,238	4,269	159,370	16,306	9,551,763	303,334
South Channel	6,205	503	44,897	11,639	902,688	64,762	29,158,025	940,927
Nantucket Shoals			3,504	803	168,111	10,893	6,944,150	207,976
Off Chatham			19	7	9,890	685	142,794	8,673
Shore, general			71	19	3,215	136	75,211	2,034
Total	12,010	828	84,619	19,626	1,274,519	93,874	54,605,918	1,682,768
BY MONTHS								
January	650	74	4,143	1,588	120,383	12,288	3,778,100	197,923
February	240	10	9,815	3,161	143,275	9,841	5,921,267	205,274
March	2,665	165	14,828	3,129	84,440	5,892	7,309,684	228,665
April			17,280	2,949	96,940	3,957	6,025,326	150,377
May			8,206	1,227	97,595	2,652	5,313,634	116,087
June	6,705	273	5,664	874	98,460	3,612	4,101,229	73,801
July			3,540	651	107,320	4,940	3,201,505	54,102
August			5,603	1,119	86,288	4,260	2,624,688	44,719
September			4,791	996	36,301	2,264	3,227,197	58,996
October			6,013	1,716	117,270	10,661	3,756,333	128,312
November			1,687	714	88,301	7,766	4,569,778	138,410
December	1,750	206	3,049	1,502	197,946	25,741	4,777,177	286,102
Total	12,010	828	84,619	19,626	1,274,519	93,874	54,605,918	1,682,768

Cod, haddock, and hake landed at Boston and Gloucester, Mass., and Portland, Me., by otter trawlers in various years

Year	Trips	Cod	Haddock	Hake	Year	Trips	Cod	Haddock	Hake
		Pounds	*Pounds*	*Pounds*			*Pounds*	*Pounds*	*Pounds*
1908	44	209,800	1,542,000	46,600	1920	646	6,311,389	51,962,457	
1909	47	159,800	1,719,000	74,400	1921	346	2,482,833	26,734,893	241,650
1910	59	125,850	2,775,000	46,600	1922	578	11,161,947	35,878,524	576,370
1911	178	564,500	7,367,100	151,700	1923	665	14,961,590	35,527,297	471,660
1912	295	1,952,950	12,966,700	105,500	1924	543	8,221,430	35,197,940	616,853
1913	326	1,667,806	12,488,992	209,485	1925	607	7,309,930	44,034,281	711,212
1914	387	1,149,595	15,383,550	259,913					

DAYS' ABSENCE

In order to provide additional information on the fishing effort, statistics of the number of days' absence of vessels on fishing trips from Boston, and Gloucester, Mass., and Portland, Me., have been collected for 1925. The days absent on each trip were reckoned to include the date of departure and date of arrival. The number of days occupied in fishing by all vessels was 42,447, or an average of 5.05 days per trip. The number of days occupied in fishing by otter trawlers was 5,059, or an average of 8.33 days per trip. Statistics of the number of days absent from port during the year are presented by months, fishing grounds, and ports for all vessels, including otter trawlers, and for otter trawlers separately, in the following tables:

Days' absence from port of fishing vessels landing fish at Boston and Gloucester, Mass., and Portland, Me., 1925

Fishing grounds	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
BOSTON													
East of 66° W. longitude:													
La Have Bank	40			74	48	52	111	103	58	116	35	335	972
Western Bank	47	37	23	75	156	331	222	189	31	62	146	26	1,345
Quereau Bank				68	80	146	84	31	17	15			441
Green Bank				29									29
Grand Bank		25			36					35			96
St. Peters Bank		13		20	18								51
Burgeo Bank				57									57
Cape Shore	16				8	395		120	256	15	42	8	860
Gulf of St. Lawrence					52								52
The Gully		11	84	44									139
West of 66° W. longitude:													
Browns Bank	189	16	123	374	301	7	199	276	135	79	142	187	2,028
Georges Bank	393	766	986	322	519	670	1,308	798	364	331	58	15	6,530
Cashes Bank		6	4		14	17	5				15		61
Fippenies Bank											21		21
Middle Bank	54	83	91	18			41	105	83	148	79	42	744
German Bank							12						12
Jeffreys Ledge	912	79	79	6	20			104	93	66	325	185	1,149
South Channel	433	458	405	381	202	425	686	539	718	695	361	468	5,771
Nantucket Shoals	84			56	242	88	232	173	15	98	246	75	1,309
Off Chatham	50	37	94	31	19	16	63	460	91	136	14	48	1,059
Seal Island										15	8		23
Shore, general	163	210	349	1,046	362	666	430	379	513	367	237	291	5,013
Total	1,661	1,741	2,238	2,601	2,077	2,813	3,393	3,277	2,374	2,178	1,729	1,680	27,762
GLOUCESTER													
East of 66° W. longitude:													
La Have Bank				45	49	76	54	39	23				286
Western Bank		9	54	72	332	431	391	379	44	77			1,789
Quereau Bank		14			23	450	80		57				624
Green Bank			26	32									58
Grand Bank					27								27
St. Peters Bank		43	18				58						119
Burgeo Bank				57									57
Off Newfoundland	89										97	246	432
Cape Shore						288							288
Gulf of St. Lawrence					23		29						52
Strait of Belle Isle						56							56
West of 66° W. longitude:													
Browns Bank			26	94	115		32	73	55		7		402
Georges Bank		175	400	193	363	201	293	376	454	249			2,704
Middle Bank						15		390	594				999
Jeffreys Ledge								41					41
South Channel		10			34	90	102	66	44	70	6		422
Nantucket Shoals				12	9	11	17						49
Off Chatham								219					219
Seal Island				23									23
Shore, general	174	194	276	295	313	180	294	25	100	234	216	87	2,388
Total	263	445	800	823	1,288	1,798	1,350	1,608	1,371	630	326	333	11,035
PORTLAND													
East of 66° W. longitude:													
La Have Bank					14	16							30
Western Bank		30	27	89	117	52	87					14	416
Quereau Bank				27	22		22	97	21				189
Grand Bank						5							5
St. Peters Bank								29	22				51
Cape Shore								27	S9				116
St. Anns Bank						22							22
The Gully							19		22				41
West of 66° W. longitude:													
Browns Bank		10	5				30	88	21				154
Georges Bank		7	28		11	11	220	41					318
Cashes Bank		6	21	53	25	10			8	2	33	9	167
Fippenies Bank	4	4	4	25			3			5	9	2	56
Middle Bank			2										2
Platts Bank	43	38		13	9		10		11	61	25	37	247
Jeffreys Ledge	27	36	36	40	37	9	7	86	45	69	85	48	525
South Channel		15		18		19							52
Nantucket Shoals					45								45
Seal Island			13		15	15		17		19			79
Shore, general	44	15	101	114	110	177	166	145	93	76	48	46	1,135
Total	118	161	237	379	405	336	564	530	332	232	200	156	3,650
Grand total	2,042	2,347	3,275	3,803	3,770	4,947	5,307	5,415	4,077	3,040	2,255	2,169	42,447

Days' absence from port of otter trawlers landing fish at Boston and Gloucester, Mass., and Portland, Me., 1925

Fishing grounds	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
BOSTON													
East of 66° W. longitude:													
Western Bank	47	37	23	70	43	20	25			36	139	26	466
West of 66° W. longitude:													
Georges Bank	168	142	255			8		27		31	10		641
South Channel	161	199	192	196	110	205	166	152	234	255	135	375	2,380
Nantucket Shoals	84			37	109	22	20			16	153	65	506
Off Chatham		19										6	25
Shore, general					9	8							17
Total	460	397	470	303	271	263	211	179	234	338	437	472	4,035
GLOUCESTER													
East of 66° W. longitude:													
Western Bank		9		50		14	36						109
West of 66° W. longitude:													
Georges Bank		8	67	26				50	40	8			199
South Channel		10			19	91	70	26	31	8			255
Nantucket Shoals				8	9	11	17						45
Total		27	67	84	28	116	123	76	71	16			608
PORTLAND													
East of 66° W. longitude:													
Western Bank		30	27	89	86	38						14	284
West of 66° W. longitude:													
Georges Bank		7	28										35
South Channel		15		18		19							52
Nantucket Shoals					45								45
Total		52	55	107	131	57						14	416
Grand total	460	476	592	494	430	436	334	255	305	354	437	486	5,059

VESSEL FISHERIES AT SEATTLE, WASH.

In the vessel fisheries at Seattle, Wash., in 1925, there was an increase, as compared with 1924, in the quantity and value of the products landed by the fishing fleet but a decrease in the quantity and value of products landed by collecting vessels. There was some falling off in the quantity and value of salmon and some other species not wholly compensated by the gains made by such species as herring, perch, "lingcod," sole, and crabs. Statistics of the vessel fisheries at Seattle were collected by the local agent and published as monthly and annual statistical bulletins giving the quantity and value of fishery products landed by American fishing and collecting vessels at that port.

In 1925 the fishing fleet at Seattle landed 838 trips, amounting to 12,996,550 pounds of fish having a value to the fishermen of $1,594,298. The catch was taken chiefly from fishing grounds along the coast from Oregon to Portlock Bank, Alaska. The largest quantities were taken from the Oregon coast, Flattery Banks, Hecate Strait, and Portlock Bank. The products included halibut, 9,685,050 pounds, valued at $1,403,167; sablefish, 2,340,200 pounds, valued at $160,499; "lingcod," 691,550 pounds, valued at $21,343; and rockfishes, 279,750 pounds, valued at $9,289. Compared with 1924 there was a decrease of 16 trips by fishing vessels, but an increase of 2,930,540 pounds, or 29.11 per cent, in the quantity, and of $264,341, or 19.88 per cent, in the value of the products landed.

The fishery products taken in Puget Sound and landed at Seattle by collecting vessels during the year amounted to 17,397,910 pounds, valued at $1,361,519. The products landed included salmon, 15,331,-

500 pounds, valued at $1,263,748; herring, 589,000 pounds, valued at $3,965; sturgeon, 10,100 pounds, valued at $1,694; steelhead trout, 54,350 pounds, valued at $4,575; smelt, 201,500 pounds, valued at $18,020; perch, 91,100 pounds, valued at $6,494; rockfishes, 95,810 pounds, valued at $4,840; "lingcod," 106,000 pounds, valued at $4,852; flounders, 77,150 pounds, valued at $1,973; sole, 296,800 pounds, valued at $13,170; and crabs, 544,600 pounds, valued at $38,188. Compared with 1924, there was a decrease in the products landed by collecting vessels of 768,800 pounds, or 4.23 per cent, in quantity and $27,746, or 2 per cent, in value. The quantity and value of fishery products landed at Seattle by fishing and collecting vessels in 1925 are given in detail in the following tables.

Statement, by fishing grounds and months, of quantities and values of certain fresh fishery products landed at Seattle, Wash., by American fishing vessels 1925

	Trips	Halibut		Sablefish	
FISHING GROUNDS		*Pounds*	*Value*	*Pounds*	*Value*
Oregon coast	59	503,700	$92,270	625,500	$44,970
Flattery Banks	337	1,711,400	289,510	1,334,300	90,049
Hecate Strait	404	5,882,150	841,967	358,400	23,960
Forrester Island grounds	1	85,000	8,500		
Coronation Island	1			20,000	1,400
Yakutat grounds	11	248,800	40,040	2,000	120
Portlock Bank	25	1,254,000	130,880		
Total	838	9,685,050	1,403,167	2,340,200	160,499
MONTHS					
January	3				
February	14	139,550	18,929	4,800	240
March	95	1,094,100	133,190	10,000	505
April	126	1,110,700	151,495	17,800	980
May	109	1,420,600	173,429	1,300	80
June	109	1,117,200	164,879	344,600	23,169
July	75	1,118,050	166,755	227,400	12,965
August	78	1,233,600	183,390	272,900	17,000
September	81	1,197,600	172,711	448,300	27,143
October	77	722,900	145,535	572,400	44,650
November	67	530,750	92,854	420,700	32,367
December	4			20,000	1,400
Total	838	9,685,050	1,403,167	2,340,200	160,499

	"Lingcod"		Rockfishes		Total	
FISHING GROUNDS	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Oregon coast	41,000	$1,245	21,500	$995	1,191,700	$139,480
Flattery Banks	442,250	14,242	157,750	5,189	3,645,700	398,990
Hecate Strait	208,300	5,856	98,000	2,930	6,546,850	874,713
Forrester Island grounds					85,000	8,500
Coronation Island			2,500	175	22,500	1,575
Yakutat grounds					250,800	40,160
Portlock Bank					1,254,000	130,880
Total	691,550	21,343	279,750	9,289	12,996,550	1,594,298
MONTHS						
January	12,000	985	6,000	491	18,000	1,476
February	44,000	1,874			188,350	21,043
March	67,700	1,951	29,300	830	1,201,100	136,476
April	129,000	2,888	37,000	860	1,294,500	156,223
May	75,700	2,206	40,000	990	1,537,600	176,705
June	64,000	1,920	35,000	1,050	1,560,800	191,018
July	39,000	1,035	27,000	775	1,411,450	181,530
August	40,700	1,241	20,500	855	1,567,700	202,486
September	77,100	2,318	31,000	930	1,754,000	203,102
October	93,800	2,854	33,700	1,475	1,422,800	194,514
November	42,300	1,513	12,500	400	1,006,250	127,134
December	6,250	558	7,750	633	34,000	2,591
Total	691,550	21,343	279,750	9,289	12,996,550	1,594,298

Fishery products, by months, taken in Puget Sound and landed at Seattle, Wash., by collecting vessels, 1925

Species	January		February		March		April		May	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Herring	120,000	$1,200	250,000	$1,250	35,000	$175	100,000	$500		
Smelt	38,500	3,850	12,000	960			16,000	1,600		
Perch	10,000	700	10,000	500	15,500	1,085	30,000	2,400		
Rockfishes	6,000	60	7,400	602	9,000	720	6,300	504	8,000	$560
"Lingcod"	48,000	3,360	8,000	240	4,600	184	6,500	130		
Flounders	6,800	136	7,000	140	6,000	120	23,000	920	6,000	90
Sole	84,000	3,360	37,000	2,960	24,300	972	15,000	600	15,000	600
Crabs	64,400	4,350	61,000	4,200	60,280	4,110	96,800	6,600	39,600	2,758
Total	377,700	17,016	392,400	10,852	154,680	7,366	293,600	13,254	68,600	4,008

Species	June		July		August		September	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Sturgeon	3,300	$330	800	$64	4,000	$900		
Salmon:								
Humpback or pink			18,400	736	16,600	332	61,000	$2,440
Chum or keta					14,000	270	24,500	1,020
King or spring	3,111,500	311,150	3,270,000	327,000	1,650,000	165,000	162,000	16,200
Coho or silver	152,900	7,645	160,500	8,025	446,000	17,840	2,250,000	157,500
Sockeye or red	23,000	2,300	19,600	1,960	51,000	5,100		
Trout, steelhead	21,500	1,290	12,400	1,240	14,000	1,400	6,450	645
Smelt					12,500	1,000	18,000	1,440
Perch					10,000	800	8,300	498
Rockfishes	4,150	205			14,600	830	12,800	190
"Lingcod"	6,000	120	16,000	320	8,900	178		
Flounders	9,400	188	9,000	180				
Sole					18,200	546	12,500	500
Crabs	5,900	405						
Total	3,337,650	323,633	3,506,700	339,525	2,259,800	194,196	2,555,550	180,433

Species	October		November		December		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Sturgeon	2,000	$400					10,100	$1,694
Herring					84,000	$840	589,000	3,965
Salmon:								
Humpback or pink							96,000	3,508
Chum or keta	1,540,000	61,600	330,000	$9,900			1,908,500	72,790
King or spring	122,000	14,600	22,500	2,250			8,338,000	836,200
Coho or silver	1,700,000	136,000	186,000	14,880			4,895,400	341,890
Sockeye or red							93,600	9,360
Trout, steelhead							54,350	4,575
Smelt	31,000	3,100	32,000	1,920	41,500	4,150	201,500	18,020
Perch					7,300	511	91,100	6,494
Rockfishes	7,000	210	12,400	496	8,160	463	95,810	4,840
"Lingcod"					8,000	320	106,000	4,852
Flounders	3,600	72	6,350	127			77,150	1,973
Sole	16,000	640	22,000	880	52,800	2,112	296,800	13,170
Crabs	73,400	5,000	87,120	5,940	56,100	4,825	[1] 544,600	38,188
Total	3,495,000	221,622	698,370	36,393	257,860	13,221	17,397,910	1,361,519

[1] 24,758 dozen.

FISHERY PRODUCTS RECEIVED AT MUNICIPAL FISH WHARF AND MARKET, WASHINGTON, D. C.[3]

The receipts of fishery products at the municipal fish wharf and market, Washington, D. C., in 1925, amounted to 7,041,058 pounds, a decrease of 966,646 pounds, or 12.07 per cent, as compared with 1924. The most important products, in quantity, were squeteagues or "sea trout," 1,412,358 pounds; croaker, 1,107,214 pounds; river

[3] Daily reports of the quantity of fishery products received at this market are furnished to the bureau for publication through the courtesy of the health department of the District of Columbia.

herring, 790,200 pounds; oysters, 480,052 pounds; shad, including roe, 436,475 pounds; haddock, 423,570 pounds; and striped bass, 330,074 pounds. The species ranking next in importance include butterfish, carp, catfish, flounders, halibut, mackerel, perch, spot, and crabs.

Fishery products, in pounds, received at municipal fish wharf and market, Washington, D. C., 1925

Species	January	February	March	April	May	June	July
Bass, black or sea	2,850	1,800	7,781	400	4,700	6,000	2,700
Bluefish			200		500	4,100	4,400
Bowfin	1,000						
Butterfish	2,400	800	700	5,200	27,900	73,200	65,600
Carp	4,250	17,900	12,972	14,300	22,800	8,700	4,700
Catfish	3,000	26,600	30,525	25,250	12,300	9,105	4,800
Ciscoes	100						
Cod:							
Fresh	3,900	7,175	5,400	4,200	3,000	4,800	4,200
Salted			200				
Crappie		400	200				
Crevalle		300	400				
Croaker	19,400	6,500	40,000	243,700	239,600	205,955	224,600
Eels		400	2,013	2,100	350	200	300
Flounders	11,100	26,000	39,380	14,300	12,800	15,100	12,600
Gizzard shad	18,300	13,700	1,400				
Haddock:							
Fresh	39,300	75,050	80,300	42,100	24,900	24,600	21,800
Smoked							
Hake							
Halibut	31,633	7,000	8,250	16,300	10,700	11,400	9,800
Herring:							
River	44,700	31,050	120,650	428,100	162,400	2,800	
Sea	22,000						
Hickory shad or "jacks"	9,600	5,200	5,625	3,800	800		
Kingfish	4,700	4,700	3,800	6,200	1,000	400	3,100
Mackerel	4,400	4,300	2,550	6,800	15,200	25,700	18,700
Menhaden		4,600	1,400				
Mullet	525	200					
Perch	6,850	30,050	43,680	22,565	14,400	5,500	3,740
Pigfish	1,300	1,100					
Pike or pickerel	200	3,475	600	220	100		100
Pollock		800	800		200	400	1,200
Pompano	400					200	
Redfish or red drum	3,200	3,400	800		900	600	
Red snapper	1,000	200	400	400	400	200	200
Salmon	5,500	2,100	3,200	500	400	2,700	2,400
Sergeantfish	200						
Scup or porgy		600			200	2,800	1,900
Shad	25,700	21,100	94,235	179,200	105,580	7,115	
Shad roe		45					
Sheepshead	400	100	200				
Skates							
Smelt	4,105	725	350				
Spot	200	500		300	500	5,100	47,000
Squeteagues or "sea trout"	25,800	12,400	7,100	40,400	242,500	174,400	188,800
Squid					400	200	
Striped bass	4,000	6,850	32,593	44,370	23,700	31,000	30,500
Sturgeon	100	300			100	115	850
Sturgeon caviar							17
Swordfish						150	700
Tilefish	100	500	500	500	200		
Whiting	8,800		1,200		400		
Clams, hard	1,728	3,552	3,808	4,448	6,752	9,600	8,736
Oysters:							
In the shell	29,729	47,208	30,205	6,370	224	88	
Opened	41,332	27,448	23,430	1,774			
Scallops	720		1,280	160	400	5,040	640
Crabs			720	405	1,785	13,800	53,805
Crab meat	110	115	400	1,785	4,450	16,665	18,015
Frogs		13	30	150	85	94	
Lobster	100	200	200	400	650	300	200
Shrimp	1,200	1,200	1,400	2,500	4,700	5,000	5,100
Turtles	1,200	418	154	454	1,258	428	146
Total	387,132	398,074	611,031	1,119,651	949,234	673,555	741,349

Fishery products, in pounds, received at municipal fish wharf and market, Washington, D. C., 1925—Continued

Species	August	September	October	November	December	Total
Bass, black or sea	4,300	700	2,300	6,500	3,230	43,261
Bluefish	9,155	10,500	13,680		4,000	46,535
Bowfin						1,000
Butterfish	27,225	26,400	23,600	800	6,750	260,575
Carp	1,851	1,311	12,710	4,990	5,140	111,624
Catfish	303	6,900	15,050	14,760	15,135	163,728
Ciscoes						100
Cod:						
Fresh	5,800	3,500	5,200	3,700	600	51,475
Salted						200
Crappie						600
Crevalle						700
Croaker	58,009	25,900	11,900	17,450	14,200	1,107,214
Eels			750	1,180	625	7,918
Flounders	11,608	12,700	9,600	8,200	12,000	185,388
Gizzard shad				2,750	7,000	43,150
Haddock:						
Fresh	9,900	20,500	32,380	43,860	6,500	421,190
Smoked	2,380					2,380
Hake			13,600	29,400	2,600	45,600
Halibut	4,200	8,400	15,000	8,400	600	131,683
Herring:						
River			500			790,200
Sea						22,000
Hickory shad or "jacks"						25,025
Kingfish	100		900	200	1,850	26,950
Mackerel	17,312	33,100	28,500	12,350	8,000	176,912
Menhaden						6,000
Mullet		200	650	2,480	149	4,204
Perch	5,001	4,800	8,650	6,375	8,850	160,461
Pigfish						2,400
Pike or pickerel		200	2,150	3,300	1,180	11,525
Pollock	1,200	3,800	3,200	3,000	10,200	24,800
Pompano						600
Redfish or red drum			300	1,650	600	11,450
Red snapper						2,800
Salmon	2,384	1,850	3,200	1,450	200	25,884
Sergeantfish						200
Scup or porgy	200					5,700
Shad			900	2,000	600	436,430
Shad roe						45
Sheepshead						700
Skates				200		200
Smelt				400	500	6,080
Spot	1,500	7,300	28,900	3,250	6,900	101,450
Squeteagues or "sea trout"	173,908	237,600	171,450	75,900	62,100	1,412,358
Squid					125	725
Striped bass	18,501	38,300	63,000	25,815	11,445	330,074
Sturgeon						1,465
Sturgeon caviar						17
Swordfish						850
Tilefish						1,800
Whiting			2,800	4,805	10,600	28,605
Clams, hard	6,272	5,408	3,584	1,728	1,504	[1] 57,120
Oysters:						
In the shell		791	31,556	35,385	38,150	[2] 219,706
Opened		8,803	57,907	56,133	43,519	[3] 260,346
Scallops	80					8,320
Crabs	46,125	4,830	10,425			131,895
Crab meat	11,730	14,725	4,750	1,170	50	73,965
Frogs						372
Lobster		50		25	2,000	4,125
Shrimp	6,300	6,700	3,200	1,600	20	38,920
Turtles						4,058
Total	425,344	485,268	582,292	381,206	286,922	7,041,058

[1] 7,140 bushels. [2] 31,387 bushels. [3] 3,156 bushels.

NOTE.—The clams have been reduced to pounds on the basis of 8 pounds of meat to a bushel; the oysters on the basis of 7 pounds of meat to a bushel and 8¼ pounds to a gallon.

SHAD AND ALEWIFE FISHERY OF THE POTOMAC RIVER

The regular annual statistics of the shad and alewife fisheries of the Potomac River were taken for the season 1925. They show that the shad fishery yielded 204,582 shad that weighed 696,632 pounds, valued at $163,398 to the fishermen. While this is an increase over 1924 of 19 per cent in number, 21 per cent in pounds, and 85 per cent in value, it marks one of the lowest catches upon which statistics are available.

The catch of alewives, amounting to 7,835,380 fish, with a weight of 3,134,152 pounds, valued at $37,341 to the fishermen, was less than the 1924 catch by 48 per cent in number and 34 per cent in value, and was the smallest catch since 1915.

The following tables give detailed statistics for 1925 and comparative statistics on the shad and alewife catches in the Potomac River for the years for which statistics are available.

Shad and alewife fisheries of the Potomac River, 1925

Item	Maryland			Virginia			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
Fishermen	269			492			761		
Rowboats and scows	94		$3,435	183		$6,590	277		$10,025
Gasoline boats	61		15,095	198		65,520	259		80,615
Pound nets	101		15,325	287		103,225	388		118,550
Gill nets	87		7,400	274		8,375	361		15,775
Haul seines	1		1,500				1		1,500
Shore and accessory property			1,000						1,000
Total			43,755			183,710			227,465
Shad caught:									
With pound nets	5,947	20,076	4,541	134,148	451,889	107,174	140,095	471,965	111,715
With gill nets	34,711	122,635	28,281	24,426	86,957	20,914	59,137	209,592	49,195
With haul seines	5,350	15,075	2,488				5,350	15,075	2,488
Total	46,008	157,786	35,310	158,574	538,846	128,088	204,582	696,632	163,398
Alewives caught:									
With pound nets	315,000	126,000	1,670	7,365,380	2,946,152	34,496	7,680,380	3,072,152	36,166
With gill nets				55,000	22,000	775	55,000	22,000	775
With haul seines	100,000	40,000	400				100,000	40,000	400
Total	415,000	166,000	2,070	7,420,380	2,968,152	35,271	7,835,380	3,134,152	37,341

Production of shad in the Potomac River in various years, 1896 to 1925

Year	Maryland			Virginia			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
1925	46,008	157,786	$35,310	158,574	538,846	$128,088	204,582	696,632	$163,398
1924	37,505	127,285	20,469	134,805	450,925	67,981	172,310	578,210	88,450
1923	93,619	308,729	52,917	257,927	878,653	145,702	351,546	1,187,382	198,619
1922	203,682	706,501	95,140	680,494	2,409,070	324,882	884,176	3,115,571	420,022
1921	49,681	138,207	25,191	356,191	1,022,231	182,179	405,872	1,160,438	207,370
1920	80,944	302,237	55,963	448,414	1,677,543	278,501	529,358	1,979,780	334,464
1919	94,512	354,420	56,833	449,957	1,687,339	275,564	544,469	2,041,759	332,397
1915	17,196	64,485	6,827	165,206	619,523	65,300	182,402	684,008	72,127
1909	31,158	116,843	9,232	172,813	648,049	44,500	203,971	764,892	53,732
1904	83,147	311,801	16,343	289,500	1,085,625	51,709	372,647	1,397,426	68,052
1901	146,000	547,500	14,800	648,462	2,431,733	104,566	794,462	2,979,233	119,366
1896	233,238	874,643	20,524	450,825	1,690,594	43,084	684,063	2,565,237	63,608

Production of alewives in the Potomac River in various years, 1909 to 1925

Year	Maryland			Virginia			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
1925	415,000	166,000	$2,070	7,420,380	2,968,152	$35,271	7,835,380	3,134,152	$37,341
1924	1,834,000	733,600	6,885	13,299,388	5,319,156	49,667	15,133,388	6,052,756	56,552
1923	2,119,787	847,916	8,764	9,308,782	3,722,912	40,657	11,428,569	4,570,828	49,421
1922	1,292,500	517,000	3,700	10,074,500	4,029,800	34,642	11,367,000	4,546,800	38,342
1921	1,395,000	558,000	9,010	8,908,510	3,563,404	35,031	10,303,510	4,121,404	44,041
1920	1,077,775	538,888	13,940	7,681,561	3,813,780	41,197	8,759,336	4,352,668	55,137
1919	1,488,583	772,867	15,508	7,379,319	2,904,054	45,508	8,867,902	3,676,921	61,016
1915	335,000	----------	1,420	7,276,428	----------	30,741	7,611,428	----------	32,161
1909	4,883,000	----------	10,369	24,601,040	----------	42,854	29,484,040	----------	53,223

SHAD FISHERY OF THE HUDSON RIVER

In 1923 there were 213 persons engaged in the shad fishery of the Hudson River in New York and New Jersey. The investment amounted to $27,629, and 35,086 shad, or 121,728 pounds were caught, valued at $28,644. Of this quantity 28,636 shad, or 97,863 pounds, valued at $22,644, were taken in New York, and 6,450, or 23,865 pounds, valued at $6,000, in New Jersey.

In 1924 there were 184 persons engaged in this fishery. The investment amounted to $22,838, and 28,794 shad, or 94,369 pounds, valued at $23,104, were caught. The catch in New York amounted to 22,814 shad, or 72,519 pounds, valued at $17,619, and in New Jersey to 5,980 fish, or 21,850 pounds, valued at $5,485.

Compared with 1922, there was a decrease in 1923 of 59 in the number of persons engaged, $12,713 in the investment, and 13,250 in the number of shad taken (or 53,458 pounds), and of $11,052 in the value. In 1924, as compared with 1922, there was a decrease of 88 persons, $17,504 in the investment, and 19,542 in the number of shad taken (or 80,817 pounds), and of $16,602 in the value. The number of persons engaged, the investment, and catch also were considerably smaller in 1924 than in the previous year. The statistics for 1923 and 1924 and comparative statistics of the catch from 1915 to 1924, inclusive, are given in the following tables:

Shad fishery of the Hudson River, 1923 and 1924

Item	1923								
	New York			New Jersey			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
Fishermen	203	----------	----------	10	----------	----------	213	----------	----------
Rowboats and scows	85	----------	$4,475	9	----------	$1,375	94	----------	$5,850
Gasoline boats	17	----------	2,947	3	----------	1,400	20	----------	4,347
Gill nets, drift	110	----------	10,597	----------	----------	----------	110	----------	10,597
Gill nets, stake	----------	----------	----------	5	----------	1,250	5	----------	1,250
Haul seines	2	----------	285	----------	----------	----------	2	----------	285
Shore and accessory property	----------	----------	4,900	----------	----------	400	----------	----------	5,300
Total	----------	----------	23,204	----------	----------	4,425	----------	----------	27,629
Shad caught:									
With drift gill nets	27,245	93,503	21,665	----------	----------	----------	27,245	93,503	21,665
With stake gill nets	----------	----------	----------	6,450	23,865	6,000	6,450	23,865	6,000
With haul seines	669	2,100	450	----------	----------	----------	669	2,100	450
With other apparatus, incidentally	722	2,260	529	----------	----------	----------	722	2,260	529
Total	28,636	97,863	22,644	6,450	23,865	6,000	35,086	121,728	28,644

Shad fishery of the Hudson River, 1923 and 1924—Continued

Item	1924								
	New York			New Jersey			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
Fishermen	176			8			184		
Rowboats and scows	80		$3,865	8		$1,340	88		$5,205
Gasoline boats	17		2,830	3		1,400	20		4,230
Gill nets, drift	95		7,733				95		7,733
Gill nets, stake				4		1,000	4		1,000
Haul seines	2		245				2		245
Shore and accessory property			4,095			330			4,425
Total			18,768			4,070			22,838
Shad caught:									
With drift gill nets	22,002	70,159	17,086				22,002	70,159	17,086
With stake gill nets				5,980	21,850	5,485	5,980	21,850	5,485
With haul seines	625	1,760	380				625	1,760	380
With other apparatus, incidentally	187	600	153				187	600	153
Total	22,814	72,519	17,619	5,980	21,850	5,485	28,794	94,369	23,104

Comparative statistics of the shad fishery of the Hudson River, 1915 to 1924

Year	New York			New Jersey			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
1915	11,606	48,564	$5,969	4,249	20,104	$2,674	15,855	68,668	$8,643
1916	7,787	32,923	4,540	1,500	7,250	925	9,287	40,173	5,465
1917	10,615	38,344	5,810	1,400	5,040	720	12,015	43,384	6,540
1918	63,404	220,602	44,784	3,999	14,000	3,400	67,403	234,602	48,184
1919	76,501	301,306	60,690	13,800	73,668	23,034	90,301	374,974	83,724
1920	39,692	157,715	43,882	9,623	42,129	12,427	49,315	199,844	56,309
1921	28,948	104,883	24,329	6,500	25,920	6,294	35,448	130,803	30,623
1922	36,111	128,324	27,451	12,225	46,862	12,255	48,336	175,186	39,706
1923	28,636	97,863	22,644	6,450	23,865	6,000	35,086	121,728	28,644
1924	22,814	72,519	17,619	5,980	21,850	5,485	28,794	94,369	23,104

FLORIDA SPONGE FISHERY

In 1925 the quantity of sponges sold at the Sponge Exchange, Tarpon Springs, Fla., was 434,672 pounds, valued at $715,097, of which 242,020 pounds, valued at $609,393, were large wool; 29,968 pounds, valued at $44,952, were small wool; 120,748 pounds, valued at $48,300, yellow; 28,622 pounds, valued at $8,014, grass; and 13,314 pounds, valued at $4,438, wire. It is estimated that sponges to the value of $50,000 were sold outside the exchange at Tarpon Springs.

Compared with the production of 1924, this is an increase of 2 per cent in total quantity and less than 1 per cent in total value. When compared with the annual production in the years 1919 to 1924, it is apparent that the production for 1925 continued to be slightly below normal in quantity and above normal in value. The production of large wool sponges was below that for 1924 but compared favorably with 1919–1923. The production of small wool sponges decreased by almost half for the same period, while that of yellow sponges increased by about half. The production of grass sponges showed a gratifying increase over 1924, though it was con-

siderably less than previous years. The production of wire sponges also showed a marked increase and exceeded that of any year from 1919 to 1924, except 1923.

Sponges sold at the exchange, Tarpon Springs, Fla., 1919 to 1925

Year	Total		Large wool	Small wool	Yellow	Grass	Wire
	Pounds	*Value*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
1925	434,672	$715,097	242,020	29,968	120,748	28,622	13,314
1924	425,305	714,760	265,392	58,021	81,420	14,898	5,574
1923	490,200	734,391	243,230	54,292	87,878	88,772	16,028
1922	526,885	699,089	248,475	70,478	115,455	84,892	7,585
1921	386,390	540,093	173,723	63,786	70,218	65,745	12,918
1920	409,746	678,209	176,722	60,902	72,648	92,880	6,594
1919	424,075	707,964	205,462	76,309	73,051	62,547	6,706

FISHERIES OF THE GULF STATES, 1923

The statistics contained in this report apply to the commercial coast fisheries of the western coast of Florida, Alabama, Mississippi, Louisiana, and Texas, and are for the year 1923. The canvass of the fisheries was made by Rob Leon Greer and Carl B. Tendick, agents of this bureau, with the assistance of temporary employees. It is desired to thank the respective State fisheries officials for their kindness in making their records available to these agents and in otherwise cooperating to facilitate the acquisition of information in this canvass.

The canvass, in so far as possible, was conducted similarly to that of the fisheries of the Gulf States in 1918, in order that the statistics might be comparable.[4]

In the interests of economy and simplicity detailed statistics for separate counties, hitherto published, have been omitted from this report. The various tabulations for each county are on file, however, and will be made available to investigators and other persons upon request.

EARLIER PUBLICATIONS

Some of the earlier publications relating to the fisheries of the Gulf States, published in Washington, D. C., are as follows:

Fisheries of the Gulf of Mexico, by Silas Stearns. *In* The Fisheries and Fishery Industries of the United States, 1887, Section II, pp. 533–587.

A Statistical Report on the Fisheries of the Gulf States, by J. W. Collins and H. M. Smith. Bulletin, U. S. Fish Commission, 1891, pp. 91–184.

Report on the Coast Fisheries of Texas, by Charles H. Stevenson. Appendix, Report, U. S. Commissioner of Fish and Fisheries, 1889-1891, pp. 373–420, pls. 13–27.

[4] The statistical reports published by the Bureau of Fisheries on the fisheries of the coastal States include the commercial fisheries of the ocean, bays, and estuaries bordering the States and also the river fisheries up as far from tidewater as the anadromous fishes are commercially important. The statistics are for the calendar year, excepting those of the oyster yield, which are for the season ending during the calendar year. The products shown as yield of the fisheries are those produced and marketed by fishermen, and the values are based on the prices paid to the fishermen. Where vessels and boats are shown separately, vessels are all craft of 5 net tons and upward as measured by the United States Customs Service, and boats are all craft under 5 net tons. The "vessel fisheries" are those prosecuted by vessels defined as above, and the shore fisheries are those prosecuted by boats as defined above or without employment of water craft. The statistics are credited to the county and State in which the fisherman makes his home port. In some cases this may be distant from the place where the fish are caught and marketed, but usually the fish are caught in the waters contiguous to and marketed in the county and State to which they are credited.

The Fish and Fisheries of the Coastal Waters of Florida. Transmitted to the United States Senate by the Commissioner of Fish and Fisheries, January 28, 1897. Senate Document 100, Fifty-fourth Congress, second session. See also, pp. 263–342, Appendix, Report, U. S. Commissioner of Fish and Fisheries, 1896.

Statistics of the Fisheries of the Gulf States, by C. H. Townsend. Report, U. S. Commissioner of Fish and Fisheries, 1899, pp. 105–169.

Statistics of the Fisheries of the Gulf States, 1902. Appendix, Report, U. S. Commissioner of Fish and Fisheries, 1903, pp. 411–481.

Fisheries of the United States, 1908. Special Reports, Bureau of the Census, 1911.

Fisheries of the Gulf States in 1918. *In* Fisheries Industries of the United States, by Lewis Radcliffe. Appendix X, Report, U. S. Commissioner of Fisheries, 1919, pp. 129–191, Bureau of Fisheries, Document No. 892.

Fisheries of Key West and the Clam Industry of Southern Florida, by William C. Schroeder. Appendix XII, Report, U. S. Commissioner of Fisheries, 1923. Bureau of Fisheries, Document No. 962.

COMMON AND SCIENTIFIC NAMES OF FISHES

In order to prevent misunderstanding from the use of common names employed in the tables and discussions, the following list of common and scientific names is given:

Amberfish	Seriola (species).
Angelfish	*Chætodipterus faber.*
Barracuda	Sphyræna (species).
Bluefish	*Pomatomus saltatrix.*
Blue runner or hardtail	*Caranx crysos.*
Bonito	*Sarda sarda.*
Catfish	*Felichthys marinus.* *Galeichthys felis.*
Cero and kingfish	*Scomberomorus regalis.* *Scomberomorus cavalla.*
Crevallé	Caranx (species).
Croaker	*Micropogon undulatus.*
Drum, black	*Pogonias cromis.*
Drum, red, or redfish	*Sciænops ocellatus.*
Elops or ten-pounder	*Elops saurus.*
Flounders	Pleuronectidæ (species).
Groupers	Epinephelus (species). Mycteroperca (species). *Garrupta nigrita.*
Grunts	Hæmulidæ (species).
Harvestfish or "butterfish"	*Peprilus alepidotus.*
Hogfish	*Lachnolaimus maximus.*
Jewfish	*Promicrops guttatus.*
King whiting	Menticirrhus (species).
Leather jacket or "turbot"	*Balistes carolinensis.*
Menhaden	Brevoortia tyrannus.
Moonfish	*Vomer setipinnis.*
Mullet	*Mugil cephalus.* *Mugil curema.*
Permit	*Trachinotus goodei.*
Pigfish	*Orthopristis chrysopterus.*
Pinfish or sailor's choice	*Lagodon rhomboides.* Other species.
Pompano	*Trachinotus carolinus.* Trachinotus (other species). (See also Permit).
Porgies	Calamus (species). Pagrus (species).
Porkfish	*Anisotremus virginicus.*
Sawfish	Pristis (species).
Sea bass	*Centropristes striatus.*

Sea gar	Tylosurus (species).
Sergeantfish or snook	*Centropomus undecimalis.*
Sharks	All Selachii except Batoidei.
Sheepshead	*Archosargus probatocephalus.*
Snapper, mangrove	*Lutianus griseus.*
Snapper, mutton	*Lutianus analis.*
Snapper, red	*Lutianus blackfordi.*
Spanish mackerel	*Scomberomorus maculatus.*
Spot	*Leiostomus xanthurus.*
Squeteagues or "sea trout"	Cynoscion (species).
Sturgeon	*Acipenser sturio.*
Tang	Teuthididæ (species).
Yellowtail	*Ocyurus chrysurus.*

GENERAL STATISTICS

The fisheries and fishery industries of the Gulf States in 1923 gave employment to 17,793 persons, of whom 11,132 were engaged in fishing operations, 1,785 in the wholesale trade, and 4,876 in the fish canning and by-products industries. The investment amounted to $10,535,905. Of this amount $5,196,541 was invested in vessels, boats, gear, and shore property used by fishermen, $1,975,223 in property and cash capital of the wholesale fish business, and $3,364,141 in property and cash capital of the canning and by-products industries. The yield of the fisheries aggregated 160,324,042 pounds, valued at $8,096,650. The output of the canning and by-products industries was valued at $6,264,913.

The west coast of Florida was foremost among the Gulf States in the importance of her fisheries with 5,827 persons employed $4,160,511 invested, and a production of 73,266,267 pounds of fishery products, valued at $4,026,227. Louisiana was next, with 5,158 persons employed, $2,606,297 invested, and a production of 34,835,194 pounds, valued at $1,961,100. Mississippi, Texas, and Alabama followed in the order named.

Based on value to the fishermen, shrimp, with a production of 44,246,177 pounds, valued at $1,735,422, was the most important of the Gulf States fishery products, constituting 21.4 per cent of the total value. Others, named in order of value, were oysters, 25,453,309 pounds, or 3,636,187 bushels, valued at $1,587,945; mullet, 30,797,824 pounds, valued at $1,207,114; sponges, 574,593 pounds, valued at $873,572; red snapper, 11,728,845 pounds, valued at $864,857; and squeteagues or "sea trout," 4,356,906 pounds, valued at $426,668. Red drum, clams, menhaden, and groupers, with values between $100,000 and $200,000, were next in order, and the remaining 47 varieties of fishery products aggregated 11,454,402 pounds, valued at $461,469, and constituted less than 6 per cent of the total production.

Compared with 1918, there was an increase of 2,905, or 19.5 per cent, in the number of persons engaged; $3,998,046 or 61.2 per cent in the amount of capital invested; 29,400,459 pounds, or 22.5 per cent, in the quantity of fishery products landed by fishermen; and $1,586,340, or 24.4 per cent in the value of these products. A large portion of this increase resulted from the growth of the shrimp-canning industry. In fact, the shrimp industries' remarkable growth was the outstanding feature of conditions revealed by the 1923 statistics.

Fisheries of the Gulf States, 1923

Item	Florida (west coast)		Alabama		Mississippi	
PERSONS ENGAGED	*Number*	*Value*	*Number*	*Value*	*Number*	*Value*
On vessels fishing	782		88		712	
On vessels transporting	97		34		46	
In shore fisheries	3,758		446		942	
Shoresmen	217					
Total	4,854		568		1,700	
INVESTMENT						
Vessels fishing:						
Gasoline	52	$336,521	17	$57,485	34	$51,430
Tonnage	1,026		250		344	
Outfit		103,825		16,425		4,767
Sail	46	387,355			109	208,055
Tonnage	1,614				1,648	
Outfit		104,015				17,261
Vessels transporting:						
Gasoline	24	99,635	13	22,130	7	9,900
Tonnage	314		112		75	
Outfit		19,300		1,435		780
Sail	14	14,720	1	4,000	7	12,600
Tonnage	257		35		143	
Outfit		3,250		185		810
Boats, power	1,289	642,038	196	165,150	378	275,550
Boats, sail	145	24,180			1	250
Boats, row	1,605	54,865	225	4,405	479	11,230
Apparatus, vessel fisheries:						
Purse seines	8	7,200				
Haul seines					69	28,450
Trammel nets			1	100		
Gill nets	6	300				
Lines		6,183		970		
Otter trawls	4	175	8	360	24	975
Dip nets	2	3				
Dredges					248	4,370
Tongs	10	92			20	192
Sponge apparatus		206				
Apparatus, shore fisheries:						
Hall seines	159	45,250	7	1,600	20	6,160
Trammel nets	193	18,160	59	4,660	79	9,625
Gill nets	2,041	121,620				
Pound nets	13	24,000				
Fyke nets	360	720				
Stop nets	133	7,120				
Cast nets					50	500
Spears	2	4			32	23
Lines		2,217		64		776
Otter trawls	104	4,000	139	5,620	276	10,640
Dip nets	28	28			25	19
Crawfish traps	54	108				
Dredges	2	47,000			80	1,555
Tongs	293	2,682	387	3,206	400	3,205
Sponge apparatus		35,540				
Shore and accessory property		159,426		7,625		17,450
Total		2,271,738		295,420		676,573

Fisheries of the Gulf States, 1923—Continued

Item	Louisiana		Texas		Total	
PERSONS ENGAGED	*Number*	*Value*	*Number*	*Value*	*Number*	*Value*
On vessels fishing	144		261		1,987	
On vessels transporting	146		16		339	
In shore fisheries	2,321		1,122		8,589	
Shoresmen					217	
Total	2,611		1,399		11,132	
INVESTMENT						
Vessels fishing:						
Steam			2	$30,000	2	$30,000
Tonnage			217		217	
Outfit				8,800		8,800
Gasoline	59	$109,100	19	125,000	181	679,536
Tonnage	394		292		2,306	
Outfit		15,046		9,695		149,758
Sail			11	74,900	166	670,310
Tonnage			288		3,550	
Outfit				16,305		137,581
Vessels transporting:						
Steam	1	7,500			1	7,500
Tonnage	18				18	
Outfit		3,600				3,600
Gasoline	70	141,600	2	2,250	116	275,515
Tonnage	546		16		1,063	
Outfit		6,470		170		28,155
Sail			4	1,600	26	32,920
Tonnage			23		458	
Outfit				270		4,515
Boats, power	1,141	919,400	250	135,400	3,254	2,137,538
Boats, sail			115	59,300	261	83,730
Boats, row	577	18,310	408	12,250	3,294	101,060
Apparatus, vessel fisheries:						
Purse seines			5	8,500	13	15,700
Haul seines			4	890	73	29,340
Trammel nets			1	175	2	275
Gill nets					6	300
Lines				845		7,998
Otter trawls	46	1,850	4	150	86	3,510
Dip nets					2	3
Dredges	20	585	6	140	274	5,095
Tongs	13	94	25	198	68	576
Sponge apparatus						206
Apparatus, shore fisheries:						
Haul seines	246	53,330	166	39,735	598	146,075
Trammel nets	87	13,000	67	11,660	485	57,105
Gill nets			347	6,710	2,388	128,330
Pound nets					13	24,000
Fyke nets					360	720
Stop nets					133	7,120
Cast nets	10	80			60	580
Spears			142	94	176	121
Lines		954		542		4,553
Otter trawls	765	29,940	80	3,200	1,364	53,400
Dip nets	700	280			753	327
Crawfish traps					54	108
Dredges	17	480	21	525	120	49,560
Tongs	504	3,297	328	2,710	1,912	15,100
Sponge apparatus						35,540
Shore and accessory property		60,780		15,100		260,381
Total		1,385,696		567,114		5,196,541

Fisheries of the Gulf States, 1923—Continued

Item	Florida (west coast)		Alabama		Mississippi	
PRODUCTS	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Amberfish	13,845	$322				
Angelfish	28,664	915	1,940	$72		
Barracuda	1,600	64				
Bluefish	417,840	39,025	3,500	210	5,900	$414
Blue runner or hardtail	351,968	16,176	1,200	36		
Bonito	28,030	1,010				
Catfish	114,780	5,313	16,220	638	35,440	1,278
Cero and kingfish	564,128	38,086				
Crevalle	156,084	4,618				
Croaker			26,600	1,115	45,015	1,881
Drum, black	95,294	2,878	9,250	279	38,989	1,263
Drum, red, or redfish	1,398,291	43,249	14,765	949	176,760	12,979
Elops or ten-pounder	353,736	10,628				
Flounders	71,315	3,936	2,190	178	87,616	8,919
Groupers	4,265,569	110,689	304,600	7,615	26,137	784
Grunts	94,867	2,846	2,975	73		
Harvestfish or "butterfish"	1,000	45				
Hogfish	9,448	284				
Jewfish	109,188	2,565			5,200	156
King whiting	77,021	5,574	2,598	134	9,054	541
Leather jacket or "turbot"	1,450	53				
Menhaden	10,955,825	78,303			400	20
Moonfish	775	22				
Mullet, fresh	27,741,837	1,091,383	648,200	22,473	1,739,026	52,719
Mullet, salted	445,023	30,624				
Mullet roe, fresh	13,945	1,653				
Mullet roe, salted	20,765	1,836				
Permit	8,493	266				
Pigfish	6,156	179				
Pinfish or sailor's choice	77,390	2,333				
Pompano, fresh	280,403	51,446	770	159	7,156	1,462
Pompano, salted	1,000	100				
Porgies	28,600	1,180			400	12
Porkfish	2,500	138				
Sawfish	200,000	2,500				
Sea bass	25,100	2,450			7,940	595
Sergeantfish or snook	103,701	3,184				
Sharks	3,000,000	24,000				
Sheepshead	1,025,415	31,963	20,640	1,389	90,768	5,771
Snapper, mangrove	125,179	4,221				
Snapper, mutton	28,225	1,013				
Snapper, red	9,471,267	680,232	970,000	77,600	103,618	8,808
Spanish mackerel	3,772,028	308,829	1,185	119	10,082	966
Spot	55,929	1,677	15,760	486	27,245	912
Squeteagues or "sea trout"	1,590,523	157,169	48,910	4,903	410,294	37,327
Sturgeon	7,400	1,088				
Sturgeon caviar	25	25				
Tang	600	24				
Yellowtail	38,672	2,422				
Crabs, hard			84,000	2,750	434,644	11,431
Crabs, soft					8,800	2,180
Crabs, stone	7,200	1,200				
Sea crawfish or spiny lobster	321,010	16,051				
Shrimp, green	2,881,454	114,509	3,182,000	119,239	9,879,100	359,086
Clams, hard	602,272	180,040				
Conchs	2,500	50				
Oysters, market, public	1,642,144	68,564	906,227	32,751	9,046,002	362,347
Oysters, market, private			725,375	53,968	2,828,952	110,305
Oysters, seed, public			630,000	13,500		
Terrapin			2,332	933	7,200	3,585
Turtles	54,200	3,705				
Sponges, grass	97,277	18,059				
Sponges, sheepswool	339,623	778,949				
Sponges, wire	16,028	7,479				
Sponges, yellow	121,665	69,085				
Total	73,266,267	4,026,227	7,631,237	341,569	25,031,738	985,741

Fisheries of the Gulf States, 1923—Continued

Item	Louisiana		Texas		Total	
PRODUCTS	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Amberfish					13,845	$322
Angelfish					30,604	987
Barracuda					1,600	64
Bluefish			500	$85	427,740	39,734
Blue runner or hardtail					353,168	16,212
Bonito					28,030	1,010
Catfish	104,735	$3,931	50,340	2,614	321,515	13,774
Cero and kingfish					564,128	38,086
Crevalle					156,084	4,618
Croaker	219,025	12,554	67,970	3,288	368,610	18,838
Drum, black	59,988	2,000	1,028,451	36,807	1,231,972	43,227
Drum, red, or redfish	665,067	55,941	877,760	72,299	3,132,643	185,417
Elops or ten-pounder					353,736	10,628
Flounders	21,513	1,890	118,395	10,203	301,029	25,126
Groupers	10,000	500	32,725	980	4,639,031	120,568
Grunts					97,842	2,919
Harvestfish or "butterfish"					1,000	45
Hogfish					9,448	284
Jewfish			13,450	553	127,838	3,274
King whiting			11,403	1,015	100,076	7,264
Leather jacket or "turbot"					1,450	53
Menhaden			8,517,000	56,780	19,473,225	135,103
Moonfish					775	22
Mullet, fresh	181,485	6,152	7,543	274	30,318,091	1,173,001
Mullet, salted					445,023	30,624
Mullet roe, fresh					13,945	1,653
Mullet roe, salted					20,765	1,836
Permit					8,493	266
Pigfish					6,156	179
Pinfish or sailor's choice					77,390	2,333
Pompano, fresh	1,220	218	2,530	287	292,079	53,572
Pompano, salted					1,000	100
Porgies					29,000	1,192
Porkfish					2,500	138
Sawfish					200,000	2,500
Sea bass	1,870	150			34,910	3,195
Sea gar, fresh			26,150	2,092	26,150	2,092
Sea gar, dried	1,150	92			1,150	92
Sergeantfish or snook					103,701	3,184
Sharks					3,000,000	24,000
Sheepshead	193,344	14,435	140,610	8,117	1,470,777	61,675
Snapper, mangrove					125,179	4,221
Snapper, mutton					28,225	1,013
Snapper, red	175,000	17,500	1,008,960	80,717	11,728,845	864,857
Spanish mackerel	2,600	361	78,920	8,200	3,864,815	318,475
Spot	23,435	829			122,369	3,904
Squeteagues or "sea trout"	733,214	73,031	1,523,965	154,238	4,356,906	426,668
Sturgeon					7,400	1,088
Sturgeon caviar					25	25
Tang					600	24
Yellowtail	2,500	72			41,172	2,494
Crabs, hard	312,600	7,626	108,900	8,665	[1] 940,144	30,472
Crabs, soft	3,000	1,050			[2] 11,800	3,230
Crabs, stone					7,200	1,200
Sea crawfish or spiny lobster					321,010	16,051
Shrimp, green	24,471,868	900,785	3,421,638	158,519	43,836,060	1,652,138
Shrimp, dried	410,117	83,284			410,117	83,284
Clams, hard					[3] 602,272	180,040
Conchs					2,500	50
Oysters, market, public	1,272,285	151,462	2,498,846	174,576	[4] 15,365,504	789,700
Oysters, market, private	5,882,478	618,972	21,000	1,500	[5] 9,457,805	784,745
Oysters, seed, public					[6] 630,000	13,500
Squid	5,800	580			5,800	580
Terrapin	22,250	7,512			31,782	12,030
Turtles	8,650	173	2,550	204	65,400	4,082
Sponge grass					97,277	18,059
Sponges, sheepswool					339,623	778,949
Sponges, wire					16,028	7,479
Sponges, yellow					121,665	69,085
Total	34,835,194	1,961,100	19,559,606	782,013	160,324,042	8,096,650

[1] 2,820,432 in number.
[2] 35,400 in number.
[3] 150,568 bushels.
[4] 2,195,072 bushels.
[5] 1,351,115 bushels.
[6] 90,000 bushels.

Wholesale fishery trade of the Gulf States, 1923

Item	Florida (west coast)		Alabama		Mississippi	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*
Establishments	92	$1,030,860	9	$32,300	24	$80,440
Cash capital		222,950		11,750		17,250
Persons engaged	635		70		243	
Wages paid		511,846		30,207		63,989

Item	Louisiana		Texas		Total	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*
Establishments	21	$196,645	33	$288,948	179	$1,629,193
Cash capital		34,250		59,830		346,030
Persons engaged	388		449		1,785	
Wages paid		177,898		116,289		900,229

Fish canning and by-products industries of the Gulf States, 1923

Item	Florida (west coast)		Alabama		Mississippi	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*
Establishments	11	$580,963	10	$277,731	33	$1,023,395
Cash capital		54,000		54,000		116,050
Persons engaged	338		574		1,556	
Wages paid		170,930		153,881		539,525
Products		836,806		541,706		2,404,226

Item	Louisiana		Texas		Total	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*
Establishments	36	$869,506	8	$223,296	98	$2,974,891
Cash capital		120,200		45,000		389,250
Persons engaged	2,159		249		4,876	
Wages paid		331,303		51,023		1,246,662
Products		2,309,617		172,558		6,264,913

Comparative statistics of extent of fisheries of the Gulf States, 1918 and 1923

States	Persons engaged				Capital invested			
	1918	1923	Increase		1918	1923	Increase	
	Number	*Number*	*Number*	*Per cent*				*Per cent*
Florida	5,161	5,827	666	12.9	$2,404,245	$4,160,511	$1,756,266	73.0
Alabama	783	1,212	429	54.8	334,741	671,201	336,460	100.5
Mississippi	2,867	3,499	632	22.0	1,433,585	1,913,708	480,123	33.5
Louisiana	4,191	5,158	967	23.1	1,475,188	2,606,297	1,131,109	76.7
Texas	1,886	2,097	211	11.2	890,100	1,184,188	294,088	33.0
Total	14,888	17,793	2,905	19.5	6,537,859	10,535,905	3,998,046	61.2

States	Products							
	Pounds				Value			
	1918	1923	Increase or decrease		1918	1923	Increase	
				Per cent				*Per cent*
Florida	54,753,639	73,266,267	+18,512,628	+33.8	$3,420,363	$4,026,227	$605,864	17.7
Alabama	5,609,219	7,631,237	+2,022,018	+36.0	230,567	341,569	111,002	48.1
Mississippi	20,592,089	25,031,738	+4,439,649	+21.6	762,770	985,741	222,971	29.2
Louisiana	24,953,876	34,835,194	+9,881,318	+39.6	1,419,367	1,961,100	541,733	38.2
Texas	25,014,760	19,559,606	−5,455,154	−21.8	677,243	782,013	104,770	15.5
Total	130,923,583	160,324,042	+29,400,459	+22.5	6,510,310	8,096,650	1,586,340	24.4

Comparative statistics of the products of the fisheries of the Gulf States for various years, 1880 to 1923

Year	Florida (west coast)		Alabama		Mississippi	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
1880	8,376,335	$564,819	3,541,500	$119,275	788,500	$22,540
1887					6,548,175	189,716
1888	19,597,084	802,282	1,633,589	75,560	7,883,010	231,712
1889	23,597,240	948,845	4,560,269	146,841	8,933,339	250,884
1890	27,418,562	1,064,139	4,776,968	154,871	8,131,401	245,699
1897	28,255,219	944,793	4,699,381	134,438	7,829,685	192,298
1902	48,120,019	1,462,166	9,351,447	266,682	23,426,965	553,220
1908	37,566,000	2,120,000	10,665,000	387,000	17,302,000	459,000
1918	54,753,639	3,420,363	5,609,219	230,567	20,592,089	762,770
1923	73,266,267	4,026,227	7,631,237	341,569	25,031,738	985,741

Year	Louisiana		Texas		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
1880	6,996,000	$392,610	3,858,875	$128,300	23,561,210	$1,227,544
1887	18,455,489	579,504	6,282,489	256,250		
1888	19,121,056	612,820	6,609,161	271,257	54,843,900	1,993,631
1889	20,947,239	621,048	7,357,800	297,258	65,395,887	2,264,876
1890	20,789,203	660,134	7,959,400	313,832	69,075,534	2,438,675
1897	17,401,788	713,587	7,174,550	286,610	65,360,623	2,271,726
1902	24,754,135	858,314	8,044,404	353,814	113,696,970	3,494,196
1908	42,302,000	1,448,000	10,439,000	446,000	118,274,000	4,860,000
1918	24,953,876	1,419,367	25,014,760	677,243	130,923,583	6,510,310
1923	34,835,194	1,961,100	19,559,606	782,013	160,324,042	8,096,650

NOTE.—The statistics for 1908 in this table are from data published by the Bureau of the Census.

Comparative statistics of the oyster industry of the Gulf States for various years, 1880 to 1923 [1]

Year	Florida (west coast)		Alabama		Mississippi	
	Bushels	*Value*	*Bushels*	*Value*	*Bushels*	*Value*
1880	58,600	$10,950	104,500	$44,950	25,000	$10,000
1887	(2)	(2)	(2)	(2)	581,100	118,974
1888	181,445	44,448	76,125	32,174	767,205	157,463
1889	294,871	75,189	438,425	96,758	845,503	167,713
1890	371,081	93,692	481,070	107,812	806,478	166,672
1895	170,518	46,308	(2)	(2)	(2)	(2)
1897	179,715	50,258	255,053	60,207	629,713	110,964
1902	579,587	124,108	347,460	119,773	2,405,132	426,222
1908	538,000	187,000	590,400	172,940	1,067,600	295,340
1911	187,462	109,472	441,917	72,742	657,670	140,420
1918	373,706	121,820	147,413	39,670	1,272,389	307,326
1923	234,592	68,564	323,086	100,219	1,696,422	472,652

Year	Louisiana		Texas		Total	
	Bushels	*Value*	*Bushels*	*Value*	*Bushels*	*Value*
1880	295,000	$200,000	67,054	$47,300	550,154	$313,200
1887	678,227	215,163	256,199	88,275	(2)	(2)
1888	719,992	230,820	341,275	109,633	2,086,042	574,538
1889	835,520	269,057	360,600	111,400	2,774,919	720,117
1890	841,585	299,896	440,800	127,990	2,941,014	796,062
1895	(2)	(2)	(2)	(2)	(2)	(2)
1897	959,190	432,668	355,910	94,663	2,379,581	748,760
1902	1,198,413	493,227	343,113	100,359	4,873,705	1,263,689
1908	3,623,800	762,800	497,200	167,880	6,317,000	1,585,960
1911	4,504,402	1,022,723	434,690	131,609	6,226,141	1,476,966
1918	1,122,203	494,299	477,784	143,610	3,393,495	1,106,725
1923	1,022,109	770,434	359,978	176,076	3,636,187	1,587,945

[1] The statistics for 1908 in this table are from data published by the Bureau of the Census.
[2] Statistics not available.

COMPARATIVE YIELD OF VARIOUS SPECIES IN 1923 AND PREVIOUS YEARS

In the foregoing statistics of the products of the fisheries, a number of species have been shown fresh and salted as marketed by the fishermen, the quantity salted varying more or less in various years. In order to afford a comparison of the total catch of the more important species on a uniform basis, the quantities salted by the fishermen have been converted to the equivalent of weights of fresh fish,

and the total catch of each species is shown as in the fresh condition in the tables below. Varying practices in salting fish make it difficult to determine the actual shrinkage that occurs when fresh fish are salted. The losses in salting the various species are thought to be approximately as follows: Menhaden and mullet, 33½ per cent; bluefish, crevallés, Spanish mackerel, pompano, and squeteague, 50 cent; red and black drum, 65 per cent, and these figures were used as the basis for converting the salt fish to a fresh-fish basis throughout the comparisons. Dried shrimp weigh one-eighth as much as fresh shrimp. The statistics on oysters, clams, and scallops are given in pounds and represent the meats or edible portion only.

Certain species of importance that occur in all of the Gulf States have been assembled in the first of the following tables. Of the nine varieties of fishes given in this table, the yield of seven shows a general upward trend. Only one of these (the red drum) has increased in yield with each successive canvass. Two of them (black drum and groupers) increased remarkably from 1890 to 1918, but the 1923 statistics record a distinct decline. The other four (mullet, red snapper, squeteague, and Spanish mackerel) have not registered continued increases since 1902, although the yield has not declined greatly. In fact, the mullet production in 1918 and 1923 was slightly greater than the record catch of 1902, and the Spanish mackerel was considerably more productive in 1923 than in any previous year recorded. Of the two remaining species sheepshead seem to have suffered an irregular decline and croakers registered the lowest yield in 1923 of any previously recorded.

Of the three varieties of shellfish, shrimp only have increased remarkably in recent years. The oyster production in 1918 and 1923 was only about half as large as in 1908, and the crab yield in 1918 and 1923 was only slightly more than half as large as in 1897 and 1902.

Comparison of the recorded yield of certain species taken in the fisheries of the Gulf States, in pounds, 1890 to 1923

ALL STATES

Year	Croaker	Drum		Groupers	Mullet	Sheepshead
		Black	Red, or redfish			
1890	532, 540	136, 053	2, 160, 767	427, 781	16, 820, 119	1, 921, 728
1897	(1)	117, 825	2, 257, 944	853, 618	16, 643, 274	1, 565, 811
1902	543, 810	418, 875	2, 607, 881	1, 112, 258	28, 598, 360	1, 974, 815
1908	778, 000		[2] 3, 028, 000	1, 625, 000	18, 988, 000	1, 125, 000
1918	714, 692	2, 011, 288	2, 999, 776	5, 935, 825	30, 026, 213	1, 558, 514
1923	368, 610	1, 231, 972	3, 132, 643	4, 639, 031	31, 030, 718	1, 470, 777

Year	Snapper, red	Spanish mackerel	Squeteagues, or "sea trout"	Crabs	Shrimps	Oysters
1890	4, 480, 617	707, 259	3, 010, 783	1, 218, 660	7, 451, 350	20, 587, 098
1897	6, 114, 278	750, 255	3, 157, 208	1, 780, 433	6, 791, 021	16, 657, 138
1902	13, 608, 553	1, 624, 441	4, 843, 145	1, 708, 625	12, 366, 915	34, 115, 935
1908	12, 546, 000	1, 486, 000	4, 090, 000	1, 259, 000	12, 865, 000	44, 403, 000
1918	9, 429, 802	3, 522, 045	4, 992, 363	821, 244	32, 347, 821	23, 754, 465
1923	11, 728, 845	3, 864, 815	4, 356, 903	959, 144	47, 116, 996	25, 453, 309

[1] Figures not available.
[2] Probably includes some black drum, for which no separate figures are available.

Comparison of the recorded yield of certain species taken in the fisheries of the Gulf States, in pounds, 1890 to 1923—Continued

WEST COAST OF FLORIDA

Year	Bluefish	Cero and kingfish	Crevalle [1]	Drum		Groupers
				Black	Red, or redfish	
1890	420,046	291,725	332,864	121,853	457,737	398,731
1897	264,971	440,000	45,640	37,855	236,368	781,155
1902	352,606	151,900	84,690	193,625	1,104,251	437,089
1908	580,000	37,000	227,000	----------	[2] 608,000	1,231,000
1918	270,648	465,860	561,435	57,420	958,407	5,626,329
1923	417,840	564,128	508,052	95,294	1,398,291	4,265,569

Year	Menhaden	Mullett	Pompano	Sheepshead	Snapper, red	Spanish mackerel
1890	----------	15,555,964	341,656	543,797	4,172,942	447,793
1897	----------	15,575,455	405,601	663,347	5,314,487	503,480
1902	2,500	26,309,800	487,099	1,373,650	8,074,066	1,513,456
1908	----------	16,144,600	232,000	473,000	7,659,000	1,419,000
1918	295,063	26,380,059	242,142	988,662	7,230,168	3,463,101
1923	10,955,825	28,454,464	282,403	1,025,415	9,471,267	3,772,028

Year	Squeteagues, or "sea trout"	Sturgeon	Crabs	Sea crawfish, or spiny lobster	Shrimp	Oysters
1890	653,813	----------	----------	----------	----------	2,597,567
1897	830,040	9,254	6,240	157,500	----------	1,258,008
1902	1,912,810	348,982	13,294	55,664	17,280	4,057,107
1908	1,207,000	6,700	64,400	53,000	8,000	3,764,000
1918	1,693,936	4,927	24,500	322,015	3,250,468	2,615,942
1923	1,590,523	7,425	7,200	321,010	2,881,454	1,642,144

[1] Includes blue runner or hardtail.
[2] Probably includes some black drum, for which no separate figures are available.

ALABAMA

Year	Croaker	Drum		Groupers	Mullet	Sheepshead
		Black	Red, or redfish			
1890	98,075	7,000	54,464	11,250	587,555	35,114
1897	[1]	6,000	213,000	69,000	600,300	86,800
1902	57,900	4,910	70,315	635,000	1,546,300	75,050
1908	72,000	----------	[2] 151,000	394,000	1,656,000	24,000
1918	93,500	12,200	23,250	244,000	1,702,530	28,050
1923	36,600	9,250	14,765	304,600	648,200	20,640

Year	Snapper, red	Spanish mackerel	Squeteagues or "sea trout"	Crabs	Shrimp	Oysters
1890	62,375	43,966	208,750	----------	----------	3,367,490
1897	335,000	85,500	296,100	24,400	40,600	1,785,438
1902	3,466,500	33,650	259,450	75,230	200	2,432,222
1908	2,635,000	13,000	208,000	246,000	37,000	4,132,000
1918	798,400	4,284	138,630	95,850	1,265,612	1,031,891
1923	970,000	1,185	48,910	84,000	3,182,000	2,261,602

[1] Figures not available.
[2] Probably includes some black drum, for which no separate figures are available.

Comparison of the recorded yield of certain species taken in the fisheries of the Gulf States, in pounds, 1890 to 1923—Continued

MISSISSIPPI

Year	Croaker	Drum		Groupers	Mullet	Sheepshead
		Black	Red, or redfish			
1890	57,325	3,200	201,300	----------	305,400	173,200
1897	(1)	5,000	199,000	----------	240,600	110,150
1902	273,000	11,660	93,270	----------	602,750	70,225
1908	176,000	----------	[2] 244,000	----------	1,035,000	81,000
1918	40,600	13,777	115,685	24,656	1,565,172	67,612
1923	45,015	38,989	176,760	26,137	1,739,026	90,768

Year	Snapper, red	Spanish mackerel	Squeteagues or "sea trout"	Crabs	Shrimp	Oysters
1890	----------	46,500	372,100	47,160	613,500	5,645,346
1897	----------	64,760	452,800	152,840	1,903,165	4,407,992
1902	----------	7,455	473,345	265,166	4,423,900	16,835,924
1908	----------	7,100	517,000	427,000	4,121,000	7,473,000
1918	98,232	11,531	356,070	225,025	9,147,445	8,906,723
1923	103,618	10,082	410,294	443,444	9,879,100	11,874,954

[1] Figures not available.
[2] Probably includes some black drum, for which no separate figures are available.

LOUISIANA

Year	Croaker	Drum		Groupers	Mullet	Sheepshead
		Black	Red or redfish			
1890	158,267	----------	339,316	17,800	287,750	390,817
1897	(1)	18,570	465,200	----------	165,819	238,010
1902	154,860	51,280	441,595	----------	122,710	338,560
1908	369,000	----------	[2] 716,000	----------	133,000	249,000
1918	383,035	54,455	565,899	20,000	325,177	276,528
1923	219,025	59,988	665,067	10,000	181,485	193,344

Year	Snapper, red	Spanish mackerel	Squeteagues, or "sea trout"	Crabs	Shrimp	Oysters
1890	240,500	144,000	655,670	980,700	6,662,050	5,891,095
1897	----------	55,805	566,648	1,458,833	4,486,726	6,714,330
1902	----------	6,050	1,078,240	1,312,135	7,634,720	8,388,891
1908	----------	4,900	1,103,000	322,000	8,581,000	25,554,000
1918	60,000	1,775	1,190,357	281,925	18,520,229	7,855,421
1923	175,000	2,600	783,214	315,600	27,752,804	7,154,763

[1] Figures not available.
[2] Probably includes some black drum, for which no separate figures are available.

Comparison of the recorded yield of certain species taken in the fisheries of the Gulf States, in pounds, 1890 to 1923—Continued

TEXAS

Year	Croaker	Drum		Groupers	Menhaden	Sheepshead
		Black	Red, or redfish			
1890	175,950	4,000	1,107,950			778,800
1897	(1)	50,400	1,144,376	3,463		467,504
1902	58,050	157,400	898,450	40,169		217,330
1908	159,000		[2] 1,309,000			298,000
1918	197,557	1,873,436	1,336,535	20,840	14,118,340	197,662
1923	67,970	1,028,451	877,760	32,725	8,517,000	140,610

Year	Snapper, red	Spanish mackerel	Squeteagues or "sea trout"	Crabs	Shrimp	Oysters
1890	4,800	25,000	1,120,450	190,800	175,800	3,085,600
1897	464,791	40,710	1,011,620	138,120	360,530	2,491,370
1902	2,067,987	63,830	1,119,300	42,800	290,815	2,401,791
1908	2,252,000	42,000	1,055,000	199,600	118,000	3,480,000
1918	1,243,002	41,354	1,613,370	193,944	164,067	3,344,488
1923	1,008,960	78,920	1,523,965	108,900	3,421,638	2,519,846

[1] Figures not available.
[2] Probably includes some black drum, for which no separate figures are available.

WEST COAST OF FLORIDA

The statistics of the fisheries here given include only the west or Gulf coast of Florida.[5] The fisheries of this part of Florida were greater than those of any other of the Gulf States, employing 4,854 persons, of whom 782 were on fishing vessels, 97 on transporting vessels, 3,758 in the shore and boat fisheries, and 217 were shoresmen. The investment amounted to $2,271,738. This included 98 fishing vessels, valued at $723,876, with a net tonnage of 2,640 tons and outfits valued at $207,840; 38 transporting vessels, valued at $114,355, with a net tonnage of 571 tons and outfits valued at $22,550; 1,289 power boats, valued at $642,038; 1,745 sail and row boats, valued at $79,045; fishing apparatus employed on vessels to the value of $14,159; apparatus employed in the shore and boat fisheries to the value of $308,449; and shore property to the value of $159,426.

The products of the fisheries amounted to 73,266,267 pounds, valued at $4,026,227. This represents an increase of 33.8 per cent in quantity and 17.7 per cent in value, as compared with the statistics for 1918. The leading products were mullet, 28,221,570 pounds, valued at $1,125,496; sponges, 574,593 pounds, valued at $873,572; red snapper, 9,471,267 pounds, valued at $680,232; Spanish mackerel, 3,772,028 pounds, valued at $308,829; hard clams 602,272 pounds, valued at $180,040; squeteagues or "sea trout," 1,590,523 pounds, valued at $157,169; shrimps, 2,881,454 pounds, valued at $114,509;

[5] Statistics for the east coast of Florida for 1923 are given in Fishery Industries of the United States, 1924, by Oscar E. Sette. Appendix VII, Report of the Commissioner of Fisheries, 1925, Bureau of Fisheries Document No. 997, pp. 219–408.

and groupers, 4,265,569 pounds, valued at $110,689. The other 44 varieties of fisheries products, each valued at less than $100,000, aggregated 21,886,991 pounds, valued at $475,691.

Fisheries.—The vessel fisheries of the west coast of Florida employed purse seines, gill nets, lines, otter trawls, dip nets, tongs, and sponge apparatus, the total yield of which amounted to 21,801,071 pounds, valued at $848,640. Judging from the value of the products, the yield by lines was most important, amounting to 10,906,343 pounds, valued at $655,269, of which red snapper, with 7,964,907 pounds, valued at $580,020, was the species of greatest value, followed by groupers with a yield of 2,721,396 pounds, valued at $64,488; six less important varieties made up the remainder of the catch by lines. The yield of the sponge apparatus was next in importance, amounting to 73,892 pounds of sponges, valued at $109,182. Purse seines, which caught 10,563,225 pounds of menhaden, valued at $70,421, also may be mentioned among the apparatus with important yields. The other forms of apparatus each produced about $5,000 worth of products.

The shore and boat fisheries produced 51,465,196 pounds, valued at $3,177,587. Gill nets produced the largest catch—27,282,918 pounds, valued at $1,232,437. Of this amount 19,028,591 pounds, valued at $762,692, were mullet; 2,812,948 pounds, valued at $271,148 were Spanish mackerel; and 26 less important varieties made up the remainder. Sponge apparatus was next in importance, yielding 500,701 pounds, valued at $764,390, most of which were sheepswool sponges. Haul seines ranked third, with a yield of 9,136,614 pounds, valued at $372,580, consisting chiefly of mullet. Lines produced 3,956,292 pounds, valued at $205,787, of which 1,502,713 pounds, valued at $100,030, were red snappers; 1,529,688 pounds, valued at $45,768, groupers; 470,264 pounds, valued at $30,670, cero and kingfish; and the remainder was made up of many species in smaller quantities. Dredges produced 597,472 pounds of hard clams, valued at $179,240; stop nets produced 3,528,104 pounds, valued at $126,985, composed largely of mullet; otter trawls produced 2,814,237 pounds of shrimp, valued at $111,935; and other gear, such as trammel nets, pound nets, fyke nets, spears, dip nets, crawfish traps, and tongs, made up the remainder of the catch of the shore and boat fisheries.

Wholesale trade and industries.—The wholesale fish trade was comprised of 92 firms that employed 635 persons, paid $511,846 in wages, and had property and cash capital to the value of $1,253,810.

In the fish canning and by-products industries there were 11 establishments, valued at $580,963, which had cash capital to the amount of $54,000 and employed 338 persons, to whom $170,930 were paid in wages. The total output was valued at $836,806, of which canned shrimp and oysters accounted for $360,303; other canned fishery products, $286,859; and miscellaneous products and by-products, $189,644.

The following tables and summary statements present the detailed statistics of the fisheries of the west coast of Florida in 1924.[6]

[6] For statistics on persons engaged, vessels, boats, gear, and investment in the fisheries refer to page 266.

Yield of the vessel fisheries of the west coast of Florida, by species and apparatus

Item	Pounds	Value	Item	Pounds	Value
By purse seines: Menhaden	10,563,225	$70,421	By lines—Continued		
			Snapper, mutton	16,650	$666
By gill nets:			Snapper, red	7,964,907	580,020
Drum, red, or redfish	50	2	Yellowtail	2,500	200
Flounders	300	15			
Mullet, fresh	35,000	1,400	Total	10,906,343	655,269
Mullet, salted	5,000	300			
Mullet roe, salted	500	40	By otter trawls: Shrimp	67,217	2,574
Pompano	500	100	By dip nets: Sea crawfish or spiny lobster	25,000	1,250
Squeteagues or "sea trout"	6,500	650	By tongs: Oysters, market, public	75,894	4,939
Sturgeon	150	8			
Turtles	41,500	2,490	By sponge apparatus:		
			Sponges—		
Total	89,500	5,005	Grass	8,504	2,080
			Sheepswool	31,601	84,885
By lines:			Yellow	33,787	22,217
Amberfish	9,175	184			
Cero and kingfish	93,864	7,416	Total	73,892	109,182
Groupers	2,721,396	64,488			
Jewfish	91,751	2,053			
Porgies	6,100	242	Grand total	21,801,071	848,640

Yield of the shore fisheries of the west coast of Florida in 1923, by apparatus and species

Species	Haul seines		Trammel nets		Gill nets		Pound nets	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Angelfish	8,400	$256	1,725	$56	7,815	$247	900	$27
Bluefish	176,867	8,639	1,875	282	103,405	9,910	132,450	19,868
Blue runner or hardtail	232,665	6,745			26,185	869	80,618	8,062
Bonito	25,980	939			1,800	54		
Catfish	29,980	880			4,800	144		
Crevallé	52,103	1,498	2,820	84	63,056	1,894	6,400	192
Drum, black	33,982	1,049	30,540	904	13,615	411		
Drum, red or redfish	269,070	8,178	561,892	16,942	349,512	11,360	20,450	614
Elops or ten-pounder	345,235	10,373			7,851	235		
Flounders	19,538	782	11,770	1,018	13,927	841		
Groupers	4,825	145						
Grunts	5,750	174						
Harvestfish or "butterfish"					1,000	45		
Hogfish	4,948	149						
Jewfish	25	1						
King whiting	26,563	1,117	1,273	102	5,680	216	40,500	4,050
Menhaden	359,600	7,222			33,000	660		
Mullet, fresh	5,535,227	222,405	385,192	14,483	18,768,591	741,844		
Mullet, salted	190,968	10,949	3,000	180	246,055	19,195		
Mullet roe, fresh					13,945	1,653		
Mullet roe, salted	20,265	1,796						
Permit	5,153	160			2,790	87		
Pigfish	4,481	127						
Pinfish or sailor's choice	35,325	1,060	975	30	29,750	901		
Pompano, fresh	89,490	13,304	4,661	955	179,317	35,848	5,000	1,000
Pompano, salted	1,000	100						
Sawfish					200,000	2,500		
Sea bass							500	50
Sergeantfish or snook	97,530	2,963						
Sharks					3,000,000	24,000		
Sheepshead	352,094	10,794	17,298	785	395,467	12,514	6,000	180
Snapper, mangrove	34,680	1,042	4,500	157	59,424	2,226		
Spanish mackerel	814,993	27,343	1,862	186	2,812,948	271,148	135,685	9,498
Spot	24,772	813	9,700	203	7,417	234	13,500	405
Squeteagues or "sea trout"	315,828	30,966	108,312	10,175	919,793	91,361	75,700	7,570
Sturgeon					7,250	1,080		
Sturgeon caviar					25	25		
Yellowtail	16,577	476			500	15		
Turtles	2,700	135			8,000	920		
Total	9,136,614	372,580	1,147,395	46,542	27,282,918	1,232,437	517,703	51,516

Yield of the shore fisheries of the west coast of Florida in 1923, by apparatus and species—Continued

Species	Fyke nets		Stop nets		Spears		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Amberfish							4,670	$138
Angelfish			9,224	$311			600	18
Barracuda							1,600	64
Bluefish							3,243	326
Blue runner or hardtail							12,500	500
Bonito							250	17
Catfish	80,000	$4,289						
Cero and kingfish							470,264	30,670
Crevallé			30,930	927			775	23
Drum, black			17,157	514				
Drum, red, or redfish			165,742	5,090			31,575	1,063
Elops or ten-pounder			650	20				
Flounders			780	30	25,000	$1,250		
Groupers			9,660	289			1,529,688	45,767
Grunts			3,290	100			85,827	2,572
Hogfish			1,500	45			3,000	90
Jewfish							17,412	511
King whiting			3,005	89				
Leatherjacket or "turbot"							1,450	53
Moonfish							775	22
Mullet			3,017,827	111,251				
Permit			250	10			300	9
Pigfish			1,675	52				
Pinfish or sailor's choice			8,340	252			3,000	90
Pompano			1,035	159			400	80
Porgies							22,500	938
Porkfish							2,500	138
Sea bass							24,600	2,400
Sergeantfish or snook			3,621	144			2,550	77
Sheepshead			241,431	7,265			13,125	425
Snapper, mangrove			7,450	222			19,125	574
Snapper, mutton							11,575	347
Snapper, red			3,647	182			1,502,713	100,030
Spanish mackerel							6,540	654
Spot			540	22				
Squeteagues or "sea trout"							164,390	16,447
Tang							600	24
Yellowtail			350	11			18,745	1,720
Total	80,000	4,289	3,528,104	126,985	25,000	1,250	3,956,292	205,787

Species	Otter trawls		Sponge apparatus		By hand	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Crabs, stone					7,200	$1,200
Conchs					2,500	50
Shrimp	2,814,237	$111,935				
Sponges:						
Grass			88,773	$15,979		
Sheepswool			308,022	694,064		
Wire			16,028	7,479		
Yellow			87,878	46,868		
Turtles					2,000	160
Total	2,814,237	111,935	500,701	764,390	11,700	1,410

Species	Tongs		Dredges		Dip nets		Crawfish traps	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Clams, hard	4,800	$800	597,472	$179,240				
Oysters, market, public	1,566,250	63,625						
Sea crawfish or spiny lobster					274,560	$13,728	21,450	$1,073
Total	1,571,050	64,425	597,472	179,240	274,560	13,728	21,450	1,073

Summary of the yield

Species	Vessel fishery		Shore fishery		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Amberfish	9,175	$184	4,670	$138	13,845	$322
Angelfish			28,664	915	28,664	915
Barracuda			1,600	64	1,600	64
Bluefish			417,840	39,025	417,840	39,025
Blue runner or hardtail			351,968	16,176	351,968	16,176
Bonito			28,030	1,010	28,030	1,010
Catfish			114,780	5,313	114,780	5,313
Cero and kingfish	93,864	7,416	470,264	30,670	564,128	38,086
Crevallé			156,084	4,618	156,084	4,618
Drum, black			95,294	2,878	95,294	2,878
Drum, red or redfish	50	2	1,398,241	43,247	1,398,291	43,249
Elops or ten-pounder			353,736	10,628	353,736	10,628
Flounders	300	15	71,015	3,921	71,315	3,936
Groupers	2,721,396	64,488	1,544,173	46,201	4,265,569	110,689
Grunts			94,867	2,846	94,867	2,846
Harvest fish or "butterfish"			1,000	45	1,000	45
Hogfish			9,448	284	9,448	284
Jewfish	91,751	2,053	17,437	512	109,188	2,565
King whiting			77,021	5,574	77,021	5,574
Leather jacket or "turbot"			1,450	53	1,450	53
Menhaden	10,563,225	70,421	392,600	7,882	10,955,825	78,303
Moonfish			775	22	775	22
Mullet, fresh	35,000	1,400	27,706,837	1,089,983	27,741,837	1,091,383
Mullet, salted	5,000	300	440,023	30,324	445,023	30,624
Mullet roe, fresh			13,945	1,653	13,945	1,653
Mullet roe, salted	500	40	20,265	1,796	20,765	1,836
Permit			8,493	266	8,493	266
Pigfish			6,156	179	6,156	179
Pinfish or sailor's choice			77,390	2,333	77,390	2,333
Pompano, fresh	500	100	279,903	51,346	280,403	51,446
Pompano, salted			1,000	100	1,000	100
Porgies	6,100	242	22,500	938	28,600	1,180
Porkfish			2,500	138	2,500	138
Sawfish			200,000	2,500	200,000	2,500
Sea bass			25,100	2,450	25,100	2,450
Sergeantfish or snook			103,701	3,184	103,701	3,184
Sharks			3,000,000	24,000	3,000,000	24,000
Sheepshead			1,025,415	31,963	1,025,415	31,963
Snapper, mangrove			125,179	4,221	125,179	4,221
Snapper, mutton	16,650	666	11,575	347	28,225	1,013
Snapper, red	7,964,907	580,020	1,506,360	100,212	9,471,267	680,232
Spanish mackerel			3,772,028	308,829	3,772,028	308,829
Spot			55,929	1,677	55,929	1,677
Squeteagues or "sea trout"	6,500	650	1,584,023	156,519	1,590,523	157,169
Sturgeon	150	8	7,250	1,080	7,400	1,088
Sturgeon caviar			25	25	25	25
Tang			600	24	600	24
Yellowtail	2,500	200	36,172	2,222	38,672	2,422
Crabs, stone			7,200	1,200	7,200	1,200
Sea crawfish or spiny lobster	25,000	1,250	296,010	14,801	321,010	16,051
Shrimp	67,217	2,574	2,814,237	111,935	2,881,454	114,509
Clams			602,272	180,040	602,272	180,040
Conchs			2,500	50	2,500	50
Oysters, market, public	75,894	4,939	1,566,250	63,625	1,642,144	68,564
Turtles	41,500	2,490	12,700	1,215	54,200	3,705
Sponges, grass	8,504	2,080	88,773	15,979	97,277	18,059
Sponges, sheepswool	31,601	84,885	308,022	694,064	339,623	778,949
Sponges, wire			16,028	7,479	16,028	7,479
Sponges, yellow	33,787	22,217	87,878	46,868	121,665	69,085
Total	21,801,071	848,640	51,465,196	3,177,587	73,266,267	4,026,227

Summary by counties

County	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Bay	293	218,488	3,561,905	$196,132
Calhoun	157	94,720	11,049,782	99,266
Charlotte	363	132,809	8,345,031	391,202
Citrus	172	23,861	1,874,158	84,385
Collier	181	113,705	3,382,227	296,331
Dixie	24	4,869	644,755	26,019
Escambia	503	603,683	8,260,835	485,562
Franklin	463	214,001	6,275,871	264,148
Hernando	11	1,430	264,650	10,941
Hillsborough	140	50,600	1,525,415	67,796
Jefferson	20	3,545	248,250	13,175
Lee	286	87,072	3,612,892	152,592
Levy	209	95,016	3,653,939	168,303
Manatee	194	56,164	2,615,873	123,626
Monroe	507	176,389	6,461,501	399,858
Okaloosa	106	36,856	1,745,449	72,571
Pasco	46	7,045	1,120,275	45,993
Pinellas	855	285,266	5,041,948	963,639
Santa Rosa	20	3,965	194,449	11,389
Sarasota	83	30,324	958,430	44,338
Taylor	35	5,605	780,625	37,790
Wakulla	186	26,325	1,648,007	71,171
Total	4,854	2,271,738	73,266,267	4,026,227

Yield and average prices of sponges of the west coast of Florida, 1880 to 1923

Year	Sheepswool			Yellow		
	Pounds	Value	Average price per pound	Pounds	Value	Average price per pound
1880	(1)	(1)	(1)	(1)	(1)	(1)
1889	(1)	(1)	(1)	(1)	(1)	(1)
1890	(1)	(1)	(1)	(1)	(1)	(1)
1895	231,272	$363,107	$1.57	29,509	$11,789	$0.39
1896	149,724	248,196	1.66	23,655	9,318	.40
1897	157,476	240,599	1.53	32,362	13,082	.40
1899	153,700	332,390	2.16	55,800	16,205	.29
1900	181,311	483,263	2.67	74,466	44,045	.59
1901	202,673	422,561	2.08	62,512	39,290	.63
1902	133,518	297,727	2.23	56,787	31,113	.55
1908 [2]	(1)	(1)	(1)	(1)	(1)	(1)
1918	276,168	675,781	2.44	91,641	34,187	.37
1923	339,623	778,949	2.29	121,665	69,085	.57

Year	Grass			Other			Total		
	Pounds	Value	Average price per pound	Pounds	Value	Average price per pound	Pounds	Value	Average price per pound
1880	(1)	(1)	(1)	(1)	(1)	(1)	207,000	$200,750	$1.07
1889	(1)	(1)	(1)	(1)	(1)	(1)	316,559	381,087	1.20
1890	(1)	(1)	(1)	(1)	(1)	(1)	366,772	438,682	1.19
1895	21,387	$5,464	$0.26	23,952	$6,502	$0.27	306,120	386,871	1.26
1896	44,617	11,508	.26	18,315	3,990	.22	236,311	273,012	1.16
1897	128,622	29,188	.23	13,086	3,171	.24	331,546	286,040	.86
1899	76,900	14,319	.19	18,000	5,000	.28	304,400	367,914	1.21
1900	143,112	33,263	.23	19,236	7,114	.37	418,125	567,685	1.36
1901	108,748	24,210	.22	21,627	6,679	.31	395,560	492,740	1.25
1902	140,682	29,765	.21	15,902	5,817	.37	346,889	364,422	1.05
1908 [2]	(1)	(1)	(1)	(1)	(1)	(1)	622,000	545,000	.87
1918	73,033	12,125	.16	11,346	3,062	.27	452,188	725,155	1.60
1923	97,277	18,059	.19	16,028	7,479	.47	574,593	873,572	1.52

[1] Statistics not available.

[2] From data published by the Bureau of the Census.

ALABAMA

The fisheries of Alabama in 1923 employed 568 persons, of whom 88 were on fishing vessels, 34 on transporting vessels, and 446 in the shore and boat fisheries. The investment, amounting to $295,420, included 17 fishing vessels with a total net tonnage of 250 tons, valued at $57,485 and with outfits to the value of $16,425; 14 transporting vessels with a total net tonnage of 147 tons, valued at $26,130 and with outfits to the value of $1,620; 196 power boats, valued at $165,150; 225 rowboats, valued at $4,405; fishing apparatus on vessels to the value of $1,430; fishing apparatus in the shore and boat fisheries to the value of $15,150; and shore and accessory property valued at $7,625. The products of the fisheries amounted to 7,631,237 pounds, valued at $341,569. Shrimp was the most important product, yielding 3,182,000 pounds, valued at $119,239; oysters were next with 2,261,602 pounds, valued at $100,219; red snappers followed with 970,000 pounds, valued at $77,600; mullet with 648,200 pounds, valued at $22,473; and 18 varieties, aggregating 569,441 pounds, valued at $22,038, made up the remainder of the catch.

Fisheries.—The vessel fisheries of Alabama employed trammel nets, lines, and otter trawls and produced 1,560,860 pounds of fishery products, valued at $96,065. The yield by lines was most important, amounting to 1,274,600 pounds, valued at $85,215, of which 970,000 pounds, valued at $77,600, were red snappers and 304,600 pounds, valued at $7,615, were groupers. Otter trawls were next, with a yield of 245,500 pounds of shrimp, valued at $9,227. Trammel nets produced 8 varieties of fish that aggregated 40,760 pounds, valued at $1,623, of which mullet was most important.

The shore and boat fisheries employed haul seines, trammel nets, lines, otter trawls, and tongs that produced 6,070,377 pounds, valued at $245,504. The catch by otter trawls, consisting of 2,711,500 pounds of shrimp, valued at $101,674, was most important. Tongs were next, producing 2,261,602 pounds of oysters, valued at $100,219. The yield by trammel nets was 718,350 pounds, valued at $27,414, consisting mostly of mullet; by haul seines, 269,125 pounds, valued at $10,957, consisting mostly of shrimp; and by lines 109,800 pounds, valued at $5,240, mostly hard crabs and squeteagues or "sea trout."

Wholesale trade and industries.—The wholesale fishery trade was conducted in 9 establishments, valued at $32,300, with cash capital of $11,750, that employed 70 persons to whom $30,207 was paid in wages.

The fish canning and by-products industries were conducted by 10 establishments, valued at $277,731, with cash capital amounting to $54,000 and employing 574 persons, to whom $153,881 was paid in wages. The total output was valued at $541,706 and consisted of 61,630 cases of canned shrimp, valued at $384,618; 11,522 cases of canned oysters valued at $57,396; and 11,208 tons of by-products, valued at $99,692.

The following tables and summary statements present the detailed statistics of the fisheries of Alabama in 1924.[7]

[7] For statistics on persons engaged, vessels, boats, gear, and investment in the fisheries refer to page 266.

Yield of the vessel fisheries of Alabama in 1923, by apparatus and species

Apparatus and species	Total		Apparatus and species	Total	
	Pounds	*Value*		*Pounds*	*Value*
Trammel nets:			Lines:		
Angelfish	200	$20	Groupers	304,600	$7,615
Croaker	1,650	66	Snapper, red	970,000	77,600
Drum, red or redfish	2,300	184			
King whiting	180	13	Total	1,274,600	85,215
Mullet	32,500	975			
Pompano	50	13	Otter trawls: Shrimp	245,500	9,227
Sheepshead	1,200	84			
Squeteagues or "sea trout"	2,680	268	Grand total	1,560,860	96,065
Total	40,760	1,623			

Yield of the shore fisheries of Alabama in 1923, by apparatus and species

Species	Haul seines		Trammel nets		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Angelfish	400	$12	1,340	$40		
Bluefish	3,500	210				
Blue runner or hardtail	1,200	36				
Catfish	1,500	60	12,920	488	1,800	$90
Croaker	4,000	120	30,950	929		
Drum, black	6,800	204	2,450	75		
Drum, red or redfish	6,000	360	6,465	405		
Flounders	900	72	1,290	106		
Grunts	75	2	2,900	71		
King whiting	1,250	63	1,168	58		
Mullet			615,700	21,498		
Pompano	200	40	520	106		
Sheepshead	4,500	270	14,940	1,035		
Spanish mackerel	800	80	385	39		
Spot	3,000	90	12,760	396		
Squeteague or "sea trout"	10,000	1,000	12,230	1,235	24,000	2,400
Crabs, hard					84,000	2,750
Shrimp	225,000	8,338				
Terrapin			2,332	933		
Total	269,125	10,957	718,350	27,414	109,800	5,240

Species	Otter trawls		Tongs	
	Pounds	*Value*	*Pounds*	*Value*
Shrimp	2,711,500	$101,674		
Oysters, market, public			906,227	$32,751
Oysters, market, private			725,375	53,968
Oysters, seed, public			630,000	13,500
Total	2,711,500	101,674	2,261,602	100,219

Summary of the yield

Species	Vessel fisheries		Shore fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Angelfish	200	$20	1,740	$52	1,940	$72
Bluefish			3,500	210	3,500	210
Blue runner or hardtail			1,200	36	1,200	36
Catfish			16,220	638	16,220	638
Croaker	1,650	66	34,950	1,049	36,600	1,115
Drum, black			9,250	279	9,250	279
Drum, red or redfish	2,300	184	12,465	765	14,765	949
Flounders			2,190	178	2,190	178
Groupers	304,600	7,615			304,600	7,615
Grunts			2,975	73	2,975	73
King whiting	180	13	2,418	121	2,598	134
Mullet	32,500	975	615,700	21,498	648,200	22,473
Pompano	50	13	720	146	770	159
Sheepshead	1,200	84	19,440	1,305	20,640	1,389
Snapper, red	970,000	77,600			970,000	77,600
Spanish mackerel			1,185	119	1,185	119
Spot			15,760	486	15,760	486
Squeteagues or "sea trout"	2,680	268	46,230	4,635	48,910	4,903
Crabs, hard			84,000	2,750	84,000	2,750
Shrimp	245,500	9,227	2,936,500	110,012	3,182,000	119,239
Oysters, market, public			906,227	32,751	906,227	32,751
Oysters, market, private			725,375	53,968	725,375	53,968
Oysters, seed, public			630,000	13,500	630,000	13,500
Terrapin			2,332	933	2,332	933
Total	1,560,860	96,065	6,070,377	245,504	7,631,237	341,569

Summary by counties

County	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Baldwin	109	48,413	1,762,455	$67,179
Mobile	459	247,007	5,868,782	274,390
Total	568	295,420	7,631,237	341,569

MISSISSIPPI

The coastal fisheries of Mississippi in 1923 employed 1,700 persons, of whom 712 were on fishing vessels, 46 on transporting vessels, and 942 in the shore and boat fisheries. The investment amounted to $676,573 and included 143 fishing vessels with a total net tonnage of 1,992 tons, valued at $259,485 and carrying outfits valued at $22,028; 14 transporting vessels with a total net tonnage of 218 tons, valued at $22,500 and carrying outfits valued at $1,590; 379 sail and power boats, valued at $275,800; 479 rowboats, valued at $11,230; fishing apparatus on vessels valued at $33,987; fishing apparatus in the shore and boat fisheries valued at $32,503; and shore and accessory property valued at $17,450. The production of the fisheries amounted to 25,021,738 pounds, valued at $985,741. Oysters were the most important item in the yield, amounting to 11,874,954 pounds, valued at $472,652. Shrimp were next, amounting to 9,879,100 pounds, valued at $359,086. The production of mullet was 1,739,026 pounds, valued at $52,719, and that of squeteagues or "sea trout" was 410,294 pounds, valued at $37,327. Nineteen varieties of fish and shellfish of lesser importance made up the remainder of the yield.

Fisheries.—The vessel fisheries of Alabama employed haul seines, otter trawls, dredges, and tongs, which together produced 11,212,131 pounds of oysters and shrimp, valued at $394,695. Dredges produced 7,921,725 pounds of oysters, valued at $273,024; haul seines yielded 2,490,000 pounds of shrimp, valued at $88,997; otter trawls, 632,700 pounds of shrimp, valued at $22,819; and tongs 167,706 pounds of oysters, valued at $9,855.

The shore and boat fisheries produced 13,819,607 pounds of fish and shellfish, valued at $591,046. Otter trawls were the most productive apparatus, catching 6,312,800 pounds of shrimp, valued at $230,887. Tongs were next with 1,888,572 pounds of oysters, valued at $109,211. Trammel nets followed with 1,716,411 pounds of products, valued at $81,841, of which 1,094,914 pounds, valued at $33,256, were mullet; 245,894 pounds, valued at $22,157, were squeteagues or "sea trout," and the remainder was made up of 13 other varieties in smaller quantities. Dredges yielded 1,896,951 pounds of oysters, valued at $80,562. Haul seines produced 1,141,014 pounds of products, valued at $41,335, of which mullet was the most important item, with 610,612 pounds, valued at $18,318, followed by shrimp with 443,600 pounds, valued at $16,383. Lines yielded 706,369 pounds, valued at $34,262, the principal items of which were squeteagues or "sea trout," hard crabs, and sheepshead. Minor apparatus produced 157,490 pounds, valued at $12,940.

Wholesale trade and industries.—The wholesale fish trade was carried on by 24 establishments, valued at $80,440, with cash capital of $17,250 and employing 243 persons, to whom $63,989 were paid in wages.

Fish canning and the manufacture of by-products were carried on by 33 establishments, valued at $1,023,395, with cash capital of $116,050 and employing 1,556 persons, to whom $539,525 were paid in wages. The production consisted of 204,548 cases of canned oysters, valued at $1,057,201; 173,093 cases of canned shrimp, valued at $1,066,157; 32,789 tons of crushed oyster shells, valued at $278,031; and other products valued at $2,837; making the total value of canned fishery products and by-products $2,404,226.

The following tables and summary statements present the detailed statistics of the fisheries of Mississippi in 1924.[8]

Yield of the vessel fisheries of Mississippi in 1923, by species and apparatus

Species	Haul seines		Otter trawls		Dredges		Tongs	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Shrimp	2,490,000	$88,997	632,700	$22,819				
Oysters, market:								
Public, Mississippi					2,555,175	$84,614	65,352	$3,768
Private, Mississippi							15,750	1,125
Public, Louisiana					3,220,077	113,085	55,734	3,221
Private, Louisiana					2,146,473	75,325	30,870	1,741
Total	2,490,000	88,997	632,700	22,819	7,921,725	273,024	167,706	9,855

[8] For statistics on persons engaged, vessels, boats, gear, and investment in the fisheries refer to page 266.

Yield of the shore fisheries of Mississippi in 1923, by species and apparatus

Species	Haul seines		Trammel nets		Lines		Otter trawls	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Bluefish	3,800	$228	2,100	$186				
Catfish	1,300	52	16,140	506	18,000	$720		
Croaker	480	24	32,005	1,231	11,930	596		
Drum, black	1,700	68	36,589	1,171	700	24		
Drum, red or redfish	23,600	1,416	146,217	11,014	4,443	343		
Flounders	2,440	220	11,814	1,155	4,162	452		
Groupers					26,137	784		
Jewfish					5,200	156		
King whiting	2,920	146	6,134	395				
Mullet	610,612	18,318	1,094,914	33,256				
Pompano	5,376	1,075	1,675	361	105	26		
Porgies					400	12		
Sea bass	100	6	5,040	393	2,800	196		
Sheepshead	5,800	290	77,764	4,824	6,014	546		
Snapper, red					103,618	8,808		
Spanish mackerel	2,972	198	6,960	749	150	19		
Spot			25,965	866	1,080	40		
Squeteagues or "sea trout"	36,314	2,911	245,894	22,157	118,986	11,309		
Crabs, hard					402,644	10,231		
Shrimp	443,600	16,383					6,312,800	$230,887
Terrapin			7,200	3,585				
Total	1,141,014	41,335	1,716,411	81,849	706,369	34,262	6,312,800	230,887

Species	Cast nets		Spears		Dip nets	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Croaker	600	$30				
Drum, red or redfish	2,500	206				
Flounders			69,200	$7,092		
Menhaden	400	20				
Mullet	33,500	1,145				
Sheepshead	1,190	111				
Spot	200	6				
Squeteagues or "sea trout"	9,100	950				
Crabs, hard					32,000	$1,200
Crabs, soft					2,000	375
Total	47,490	2,468	69,200	7,092	34,000	1,575

Species	Dredges		Tongs		By hand	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Oysters, market:						
Public, Mississippi	767,172	$31,585	1,240,701	$72,975		
Private, Mississippi			87,486	7,280		
Public Louisiana	694,659	30,026	447,132	23,073		
Private, Louisiana	435,120	18,951	113,253	5,883		
Crabs, soft					6,800	$1,805
Total	1,896,951	80,562	1,888,572	109,211	6,800	1,805

Summary of the yield

Species	Vessel fisheries		Shore fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Bluefish			5,900	$414	5,900	$414
Catfish			35,440	1,278	35,440	1,278
Croaker			45,015	1,881	45,015	1,881
Drum, black			38,989	1,263	38,989	1,263
Drum, red, or redfish			176,760	12,979	176,760	12,979
Flounders			87,616	8,919	87,616	8,919
Groupers			26,137	784	26,137	784
Jewfish			5,200	156	5,200	156
King whiting			9,054	541	9,054	541
Menhaden			400	20	400	20
Mullet			1,739,026	52,719	1,739,026	52,719
Pompano			7,156	1,462	7,156	1,462
Porgies			400	12	400	12
Sea bass			7,940	595	7,940	595
Sheepshead			90,768	5,771	90,768	5,771
Snapper, red			103,618	8,808	103,618	8,808
Spanish mackerel			10,082	966	10,082	966
Spot			27,245	912	27,245	912
Squeteagues or "sea trout"			410,294	37,327	410,294	37,327
Crabs, hard			434,644	11,431	434,644	11,431
Crabs, soft			8,800	2,180	8,800	2,180
Shrimp	3,122,700	$111,816	6,756,400	247,270	9,879,100	359,086
Oysters, market:						
Public, Mississippi	2,620,527	88,382	2,007,873	104,560	4,628,400	192,942
Private, Mississippi	15,750	1,125	87,486	7,280	103,236	8,405
Public, Louisiana	3,275,811	116,306	1,141,791	53,099	4,417,602	169,405
Private, Louisiana	2,177,343	77,066	548,373	24,834	2,725,716	101,900
Terrapin			7,200	3,585	7,200	3,585
Total	11,212,131	394,695	13,819,607	591,046	25,031,738	985,741

Summary by counties

County	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Hancock	83	27,985	555,408	$30,813
Harrison	1,377	590,441	21,629,595	828,930
Jackson	240	58,147	2,846,735	125,998
Total	1,700	676,573	25,031,738	985,741

LOUISIANA

The coastal fisheries of Louisiana in 1923 employed 2,611 persons, of whom 144 were on fishing vessels, 146 on transporting vessels, and 2,321 in the shore and boat fisheries. The investment amounted to $1,385,696. Included in this investment were 59 fishing vessels, with a total net tonnage of 394 tons, valued at $109,100 and with outfits valued at $15,046; 71 transporting vessels, with a total net tonnage of 554 tons, valued at $149,100 and with outfits to the value of $10,070; 1,141 power boats, valued at $919,400; 577 rowboats, valued at $18,310; fishing apparatus on vessels valued at $2,529; fishing apparatus in the shore and boat fisheries, valued at $101,361; and shore and accessory property valued at $60,780. The total production of the fisheries amounted to 34,835,194 pounds, valued at $1,961,100. In this production shrimp was the most important item, consisting of 24,881,985 pounds, valued at $984,069; oysters followed with 7,154,763 pounds, valued at $770,434; squeteagues or "sea trout" were next with 783,214 pounds, valued at $73,031; red drum or redfish with 665,067 pounds, valued at $55,941; and 19 other less important varieties of fish and shellfish.

Fisheries.—The vessel fisheries employed otter trawls, dredges, and tongs, which yielded 3,093,132 pounds of shrimp and oysters,

valued at $229,949. Dredges were most important, producing 1,352,232 pounds of oysters, valued at $149,079. Tongs yielded 220,500 pounds of oysters, valued at $22,750, and otter trawls yielded 1,520,400 pounds of shrimp, valued at $58,120.

The shore and boat fisheries yielded 31,742,062 pounds of fish and shellfish, valued at $1,731,151. Otter trawls produced the most valuable catch, consisting of 19,564,437 pounds of shrimp, valued at $776,825. Tongs were next with a yield of 5,018,181 pounds of oysters, valued at $535,230. Haul seines followed with 5,020,466 pounds of fish and shellfish, valued at $241,143, of which 3,785,148 pounds, valued at $148,404, were shrimp; 375,951 pounds, valued at $34,478, were squeteagues or "sea trout"; 318,832 pounds, valued at $27,268, were red drum; the remainder being made up of 16 other varieties of fish and shellfish. Trammel nets yielded 924,008 pounds of fish and shellfish, valued at $73,808; dredges took 563,850 pounds of oysters, valued at $63,375; lines, 589,220 pounds of fish and shellfish, valued at $35,395; and 61,900 pounds of crabs, shrimp, and terrapin were taken with cast nets, dip nets, and by hand.

Wholesale trade and industries.—The wholesale fish trade was conducted by 21 establishments, valued at $196,645, which had a cash capital of $34,250 and employed 388 persons, to whom $177,898 was paid in wages.

Fish canning and the manufacture of by-products were carried on by 36 establishments, valued at $869,506, having a cash capital of $120,200 and employing 2,159 persons, to whom $331,303 was paid in wages. The total output of these industries was valued at $2,309,617, consisting of 292,689 cases of canned shrimp, valued at $1,811,747; 428,894 pounds of dried shrimp, valued at $115,541; 834 tons of shrimp bran, valued at $26,165, and other fishery products to the value of $356,164.

The following tables and summary statements present the detailed statistics of the fisheries of Louisiana in 1924.[9]

Yield of the shore fisheries of Louisiana in 1923, by apparatus and species

Species	Haul seines		Trammel nets		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Catfish	54,210	$2,223	27,405	$780	23,120	$928
Croakers	107,995	6,078	73,315	4,071	37,715	2,405
Drum, black	39,550	1,347	18,538	562	1,900	91
Drum, red or redfish	318,832	27,268	316,535	26,297	29,700	2,376
Flounders	7,830	736	5,843	374	7,840	780
Groupers					10,000	500
Mullet	143,635	5,037	37,850	1,115		
Pompano	470	81	750	137		
Sea bass	1,870	150				
Sea gar, dried	1,150	92				
Sheepshead	121,255	8,156	61,024	5,238	11,065	1,041
Snapper, red					175,000	17,500
Spanish mackerel	920	125	1,680	236		
Spot	15,550	470	7,885	359		
Squeteagues or "sea trout"	375,951	34,478	356,983	33,855	50,280	4,698
Yellowtail	450	11	2,050	61		
Crabs, hard	30,000	1,200			242,600	5,076
Crabs, soft	2,000	750				
Shrimp, green	3,756,940	141,502				
Shrimp, dried	28,208	6,902				
Squid	300	30	5,500	550		
Terrapin	13,350	4,507				
Turtles			8,650	173		
Total	5,020,466	241,143	924,008	73,808	589,220	35,395

[9] For statistics on persons engaged, vessels, boats, gear, and investment in the fisheries refer to page 267.

Yield of the shore fisheries of Louisiana in 1923, by apparatus and species—Con.

Species	Cast nets		Dip nets		Otter trawls	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Shrimp, green	12,000	$720			19,182,528	$700,443
Shrimp, dried					381,909	76,382
Crabs, hard			40,000	$1,350		
Crabs, soft			1,000	300		
Total	12,000	720	41,000	1,650	19,564,437	776,825

Species	Dredges		Tongs		By hand	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Oysters, market, public			1,272,285	$151,462		
Oysters, market, private	563,850	$63,375	3,745,896	383,768		
Terrapin					8,900	$3,005
Total	563,850	63,375	5,018,181	535,230	8,900	3,005

Summary of the yield

Species	Vessel fisheries		Shore fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Catfish			114,735	$3,731	114,735	$3,931
Croaker			219,025	12,554	219,025	12,554
Drum, black			59,988	2,000	59,988	2,000
Drum, red or redfish			665,067	55,941	665,067	55,941
Flounders			21,513	1,890	21,513	1,890
Groupers			10,000	500	10,000	500
Mullet			181,485	6,152	181,485	6,152
Pompano			1,220	218	1,220	218
Sea bass			1,870	150	1,870	150
Sea gar, dried			1,150	92	1,150	92
Sheepshead			193,344	14,435	193,344	14,435
Snapper, red			175,000	17,500	175,000	17,500
Spanish mackerel			2,600	361	2,600	361
Spot			23,435	829	23,435	829
Squeteagues or "sea trout"			783,214	73,031	783,214	73,031
Yellowtail			2,500	72	2,500	72
Crabs, hard			312,600	7,626	312,600	7,626
Crabs, soft			3,000	1,050	3,000	1,050
Shrimp, green	1,520,400	$58,120	22,951,468	842,665	24,471,868	900,785
Shrimp, dried			410,117	83,284	410,117	83,284
Oysters, market, public			1,272,285	151,462	1,272,285	151,462
Oysters, market, private	1,572,732	171,829	4,309,746	447,143	5,882,478	618,972
Squid			5,800	580	5,800	580
Terrapin			22,250	7,512	22,250	7,512
Turtles			8,650	173	8,650	173
Total	3,093,132	229,949	31,742,062	1,731,151	34,835,194	1,961,100

Summary by counties

County	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Calcasieu	9	3,055	13,460	$1,291
Iberia	23	10,224	202,109	15,419
Jefferson	610	297,715	11,852,054	509,520
Jefferson Davis	12	1,770	27,235	1,531
La Fourche	389	239,205	5,770,006	325,855
Orleans	229	125,000	2,341,971	196,075
Plaquemines	383	198,665	4,412,015	258,658
St. Bernard	157	22,235	846,183	45,000
St. Mary	123	88,079	815,763	77,800
St. Tammany	22	5,615	65,710	5,360
Terrebonne	604	381,701	8,063,424	496,943
Vermilion	50	12,432	425,264	27,648
Total	2,611	1,385,696	34,835,194	1,961,100

TEXAS

The coastal fisheries of Texas in 1923 gave employment to 1,399 persons, of whom 261 were on fishing vessels, 16 on transporting vessels, and 1,122 in the shore and boat fisheries. The investment in the fisheries amounted to $567,114. Included in this investment were 32 fishing vessels with a total net tonnage of 797 tons, valued at $229,900, and with outfits, valued at $34,800; 6 transporting vessels with a total net tonnage of 39 tons, valued at $3,850, and with outfits, valued at $440; 250 power boats, valued at $135,400; 115 sailboats, valued at $59,300; 408 rowboats, valued at $12,250; fishing apparatus on vessels, valued at $10,898; fishing apparatus in the shore and boat fisheries, valued at $65,176; and shore and accessory property, valued at $15,100. The yield of the fisheries was 19,559,608 pounds of fish and shellfish, valued at $782,013. The most important items, given in order of value, were oysters, 2,519,846 pounds, valued at $176,076; shrimp, 3,421,638 pounds, valued at $158,519; squeteagues or "sea trout," 1,523,965 pounds, valued at $154,238; red snapper, 1,008,960 pounds, valued at $80,717; red drum or redfish, 877,760 pounds, valued at $72,299; menhaden, 8,517,000 pounds, valued at $56,780; and black drum, 1,028,451 pounds, valued at $36,807.

Fisheries.—The vessel fisheries produced 10,062,435 pounds of fish and shellfish, valued at $168,663. Lines produced the most valuable yield, consisting of 1,047,635 pounds of red snapper, grouper, and jewfish, valued at $81,875. Purse seines yielded 8,517,000 pounds of menhaden, valued at $56,780. Haul seines, trammel nets, otter trawls, dredges, and tongs each yielding products valued under $15,000, took the remainder of the catch.

The shore and boat fisheries produced 9,497,171 pounds, valued at $613,350. The most valuable yield was by haul seines and consisted of 2,618,862 pounds, valued at $174,023, of which squeteagues or "sea trout," red drum or redfish, black drum, and shrimp were the largest items. Otter trawls were next, with 2,965,110 pounds of shrimp and crabs, valued at $137,617. Tongs followed with 1,849,946 pounds of oysters, valued at $131,825. Trammel nets yielded 692,998 pounds, valued at $63,851, consisting largely of squeteagues or "sea trout," and red drum or redfish; gill nets caught 540,190 pounds, valued at $39,635, also consisting mostly of squeteagues and drum. Lines caught 358,865 pounds, valued at $33,157, of which squeteagues, Spanish mackerel, and crabs were important items; dredges produced 389,900 pounds of oysters, valued at $26,334; and 81,300 pounds of flounders, valued at $6,906, were caught with spears.

Wholesale trade and industries.—The wholesale fishery trade was conducted by 33 establishments, valued at $288,948, with cash capital of $59,830, and employing 449 persons, to whom $116,289 were paid in wages.

Fish canning and by-products manufacture were carried on by 8 establishments, valued at $223,296, with cash capital of $45,000 and employing 249 persons, to whom $51,023 were paid in wages. The total output was valued at $172,558, of which $72,232 was the value of canned shrimp and oysters and $100,326 the value of other products and by-products.

The following tables and summary statements present the detailed statistics of the fisheries of Texas in 1924.[10]

Yield of the vessel fisheries of Texas in 1923, by apparatus and species

Species	Purse seines		Haul seines		Trammel nets		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Catfish			260	$10	150	$4		
Croaker			740	36	300	13		
Drum, black			7,850	329	550	33		
Drum, red or redfish			11,150	945	3,600	360		
Flounders			300	27				
Groupers							32,725	$980
Jewfish							5,950	178
King whiting			885	71	865	60		
Menhaden	8,517,000	$56,780						
Mullet			300	12	120	5		
Pompano			125	13				
Sheepshead			2,780	220	375	30		
Snapper, red							1,008,960	80,717
Spanish mackerel			50	6				
Squeteagues or "sea trout"			21,450	2,244	3,300	396		
Shrimp			61,050	2,763				
Total	8,517,000	56,780	106,940	6,676	9,260	901	1,047,635	81,875

Species	Otter trawls		Dredges		Tongs	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Shrimp	101,600	$4,514				
Oysters, market, public			59,500	$3,542	220,500	$14,375
Total	101,600	4,514	59,500	3,542	220,500	14,375

Yield of the shore fisheries of Texas in 1923, by apparatus and species

Species	Haul seines		Trammel nets		Gill nets		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Bluefish							500	$85
Catfish	17,965	$872	3,995	$212	4,250	$213	23,720	1,303
Croaker	42,745	2,084	8,810	383	13,660	683	1,715	89
Drum, black	819,161	29,364	66,440	2,889	126,800	3,869	7,650	323
Drum, red or redfish	504,920	41,237	200,925	16,947	109,500	8,760	47,665	4,050
Flounders	33,570	2,974	1,630	148	800	80	[1] 82,095	[1] 6,974
Jewfish							7,500	375
King whiting	3,898	317	2,805	241			2,950	326
Mullet	6,490	229	633	28				
Pompano	2,105	236			250	25	50	13
Sea gar	15,400	1,232			10,750	860		
Sheepshead	80,570	4,474	28,705	1,877	23,930	1,207	4,250	309
Spanish mackerel	4,650	558					74,220	7,663
Squeteagues or "sea trout"	770,110	75,846	379,055	41,126	250,250	23,938	99,800	10,688
Crabs, hard	3,400	102					85,500	7,688
Shrimp	313,878	14,498						
Turtles							2,550	204
Total	2,618,862	174,023	692,998	63,851	540,190	39,635	440,165	40,063

Species	Otter trawls		Dredges		Tongs		By hand	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Crabs, hard	20,000	$875						
Shrimp	2,945,110	136,744						
Oysters, market, public			389,900	$26,334	1,798,272	$127,039	30,674	$3,286
Oysters, market, private					21,000	1,500		
Total	2,965,110	137,619	389,900	26,334	1,819,272	128,539	30,674	3,286

[1] Includes 81,300 pounds, valued at $6,906, taken by spears.

[10] For statistics on persons engaged, vessels, boats, gear, and investment in the fisheries refer to page 267.

Summary of the yield

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Bluefish	500	$85			500	$85
Catfish	49,930	2,600	410	$14	50,340	2,614
Croaker	66,930	3,239	1,040	49	67,970	3,288
Drum, black	1,020,051	36,445	8,400	362	1,028,451	36,807
Drum, red or redfish	863,010	70,994	14,750	1,305	877,760	72,299
Flounders	118,095	10,176	300	27	118,395	10,203
Groupers			32,725	980	32,725	980
Jewfish	7,500	375	5,950	178	13,450	553
King whiting	9,653	884	1,750	131	11,403	1,015
Menhaden			8,517,000	56,780	8,517,000	56,780
Mullet	7,123	257	420	17	7,543	274
Pompano	2,405	274	125	13	2,530	287
Sea gar	26,150	2,092			26,150	2,092
Sheepshead	137,455	7,867	3,155	250	140,610	8,117
Snapper, red			1,008,960	80,717	1,008,960	80,717
Spanish mackerel	78,870	8,194	50	6	78,920	8,200
Squeteagues or "sea trout"	1,499,215	151,598	24,750	2,640	1,523,965	154,238
Crabs, hard	108,900	8,665			108,900	8,665
Shrimp	3,258,988	151,242	162,650	7,277	3,421,638	158,519
Oysters, market, public	2,218,846	156,659	280,000	17,917	2,498,846	174,576
Oysters, market, private	21,000	1,500			21,000	1,500
Turtles	2,550	204			2,550	204
Total	9,497,171	613,350	10,062,435	168,663	19,559,606	782,013

Summary by counties

County	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Aransas	124	26,599	973,979	$76,269
Brazoria	21	2,489	34,175	2,827
Calhoun	164	36,496	1,054,177	80,163
Cameron	140	43,070	667,824	41,438
Chambers	30	4,912	45,840	3,682
Galveston	215	132,552	2,678,681	190,184
Harris	34	5,994	198,640	17,580
Jefferson	168	144,968	8,543,605	58,969
Matagorda	130	48,136	1,156,526	81,591
Nueces	288	93,578	3,468,391	184,411
Orange	6	180	5,950	376
San Patricio	79	28,139	731,818	44,523
Total	1,399	567,114	19,559,606	782,013

FISHERIES OF THE NEW ENGLAND STATES IN 1924

The statistics in this report apply to the coast fisheries of the New England States for the calendar year 1924 and have been published in condensed form in Statistical Bulletin No. 703 and distributed to the trade. The canvass was made by W. A. Roberts, Rob Leon Greer, and Carl B. Tendick, agents of the bureau, assisted by temporary employees. The bureau thanks the respective State fisheries officials for their kindness in making their records available to these agents and otherwise cooperating to facilitate the obtaining of information in this canvass.

In so far as possible, the canvass was conducted similarly to that taken of the fisheries of the New England States for 1919, in order that the statistics might be comparable to those previously collected.[11]

[11] The statistical reports published by the Bureau of Fisheries on the fisheries of the coastal States include the commercial fisheries of the ocean, bays, and estuaries, and also the river fisheries up as far as anadromous fishes are commercially important. The statistics are for the calendar year, except those of the oyster yield, which are for the oyster

EARLIER PUBLICATIONS

Some of the earlier publications relating to the fisheries of the New England States, published in Washington, D. C., follow:

1873. Report on the Condition of the Sea Fisheries of the South Coast of New England in 1871 and 1872. By Spencer F. Baird. Report, U. S. Commissioner of Fish and Fisheries, 1871 and 1872 (1873), p. i–xli.

1887. The Coast of Maine and its Fisheries. By R. Edward Earll. *In* The Fisheries and Fishery Industries of the United States, by G. Brown Goode, et al., Sec. II, Pt. I, p. 5–102.

The Fisheries of New Hampshire. By W. A. Wilcox. Ibid., Sec. II, Pt. II, p. 103–112.

1887. The Fisheries of Massachusetts. By A. Howard Clark. Ibid., Sec. II, Pt. III, p. 113–280.

The Fisheries of Rhode Island. By A. Howard Clark. Ibid., Sec. II, Pt. IV, p. 281–310.

The Coast of Connecticut and Its Fisheries. By A. Howard Clark. Ibid., Sec. V, p. 311–340.

History and Methods of the Fisheries. Ibid., Sec. V, Vol. I (xi+808 pp.), Vol. II (xx+881 pp.), and atlas of 275 pls.

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1891. Notes on the Oyster Fishery of Connecticut. By J. W. Collins. Bulletin, U. S. Fish Commission, Vol. IX, 1889 (1891), pp. 461–497, pls. CLIX–CLXVI.

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season that ended in the calendar year for which the statistics were collected. The values given are those received by the fishermen. The vessel fisheries are conducted by vessels and the shore fisheries are carried on with or without boats. Vessels include all craft of 5 net tons and upward, as measured by the United States Customs Service, and boats include all craft under 5 net tons. All statistics except those of the oyster yield are credited to the State and county in which the fishermen have their home ports. The oyster yield is credited to the State from the waters of which the oysters were taken.

COMMON AND SCIENTIFIC NAMES

Following is a list of the common and scientific names of the fishes of the New England States that occur in the tables and discussion in the present report.

Alewives	*Pomolobus æstivalis.*
	Pomolobus pseudoharengus.
Bluefish	*Pomatomus saltatrix.*
Bonito	*Sarda sarda.*
Bullhead	*Ameiurus nebulosus.*
Butterfish	*Poronotus triacanthus.*
Carp, German	*Cyprinus carpio.*
Cod	*Gadus callarias.*
Cunner	*Tautogolabrus adspersus.*
Cusk	*Brosmius brosme.*
Eels	*Anguilla rostrata.*
	Leptocephalus conger.
Flounders	Pleuronectidæ (species).
Goosefish	*Lophius piscatorius.*
Grayfish	*Squalus acanthias.*
	Mustelus canis.
Haddock	*Melanogrammus æglifinus.*
Hake	*Urophycis tenuis.*
	Urophycis chuss.
Halibut	*Hippoglossus hippoglossus.*
Herring	*Clupea harengus.*
Hickory shad	*Pomolobus mediocris.*
Mackerel	*Scomber scombrus.*
Menhaden	*Brevoortia tyrannus.*
Mummichog	Fundulus (species).
Perch, white	*Morone americana.*
Perch, yellow	*Perca flavescens.*
Pickerel	*Esox reticulatus.*
Pollock	*Pollachius virens.*
Pompano	Trachinotus (species).
Roach or shiner	*Abramis crysoleucas.*
Rosefish	*Sebastes marinus.*
Salmon, Atlantic	*Salmo salar.*
Sculpins	Cottidæ (species).
Scup	*Stenotomus chrysops.*
Sea bass	*Centropristes striatus.*
Sea robin	*Prionotus carolinus.*
	Prionotus strigatus.
Shad	*Alosa sapidissima.*
Sharks	Selachii (species).
Skates and rays	Batoidei (species).
Smelt	*Osmerus mordax.*
Squeteague	*Synoscion regalis.*
Striped bass	*Roccus lineatus.*
Sturgeon	*Acipenser sturio.*
Suckers	Catostomidæ (species).
Swordfish	*Xiphias gladius.*
Tautog	*Tautoga onitis.*
Tilefish	*Lopholatilus chamæleonticeps.*
Tomcod	*Microgadus tomcod.*
Tuna or horse mackerel	*Thunnus thynnus.*
Whitebait	Various species small fishes.
Whiting	*Merluccius bilinearis.*
Wolffish	*Anarhichas lupus.*
Lobsters	*Homarus americanus.*
Shrimp	*Crangon vulgaris.*
Crabs, hard	*Callinectes sapidus.*
	Cancer borealis.
	Cancer irroratus.

Crabs, sand	*Platyonichus ocellatus.*
Squid	*Ommastrephes illecebrosus.* / Loligo (species).
Clams, hard	*Venus mercenaria.*
Clams, soft	*Mya arenaria.*
Clams, razor	*Eusatella americana.*
Oysters	*Ostrea elongata.*
Scallops	*Pecten irradiaus.*
Scallops, sea	*Pecten magellanicus.*
Cockles and winkles	*Buccinum undatum.* / Lunatia (species). / *Littorina littorea.*
Irish moss	*Chondrus crispus.*

GENERAL STATISTICS

The fisheries and fishery industries of the New England States in 1924 gave employment to 24,513 persons, of whom 15,983 were engaged in fishing operations, 1,922 in the wholesale fishery trade, and 6,608 in the canning, salting, smoking, and by-products industries. The investment amounted to $28,561,824. Of this amount $14,984,327 were invested in vessels, boats, fishing apparatus, and shore and accessory property used by the fishermen; $6,089,306 in property and cash capital in the wholesale fishery trade; and $7,488,191 in property and cash capital in the canning, salting, smoking, and by-products industries. The yield of the fisheries aggregated 406,822,165 pounds, valued at $18,818,132. The output of the canning, salting, smoking, and by-products industries was valued at $14,253,831.

Massachusetts ranked first among the New England States in the importance of its fisheries with 9,275 persons employed, $15,362,016 invested, and 243,362,693 pounds of fishery products, having a value (as sold by the fishermen) of $10,799,598. Maine was next in importance, with 11,942 persons employed, $9,406,334 invested, and fishery products amounting to 116,707,179 pounds, having a value to the fishermen of $4,136,989. New Hampshire had 145 persons engaged in the fisheries and fishery industries, $68,315 invested, and fishery products amounting to 447,450 pounds, valued at $56,029. In Rhode Island 1,469 persons were thus employed, $1,666,587 were invested, and 20,535,327 pounds of fishery products, valued at $1,818,858, were taken. The fisheries of Connecticut gave employment to 1,682 persons, the investment amounted to $2,058,572, and the products of the fisheries to 25,769,516 pounds, valued at $2,006,658.

The most important product of the New England fisheries in 1924, in its value to the fishermen, was the cod, the catch of which amounted to 89,218,355 pounds, valued at $3,075,965, or 16.35 per cent of the total value of the fishery products taken in these States. The species that ranked next in value was the lobster, the catch of which amounted to 9,716,196 pounds, valued at $3,072,411. The catch of lobsters, by States, was as follows:

States	Pounds	Value
Maine	5,513,002	$1,772,165
New Hampshire	125,600	40,030
Massachusetts	1,679,601	557,437
Rhode Island	1,696,346	462,000
Connecticut	701,647	240,809
Total	9,716,196	3,072,411

Some of the other more important products, in the order of their value, were haddock, 93,518,826 pounds, valued at $2,656,900; oysters, 11,301,829 pounds, or 1,614,547 bushels, valued at $2,070,006; mackerel, 26,653,363 pounds, valued at $1,519,438; flounders, 30,854,736 pounds, valued at $1,339,076; clams, 7,961,000 pounds, or 838,069 bushels, valued at $1,065,531; halibut, 4,500,931 pounds, valued at $788,925; herring, 60,235,656 pounds, valued at $661,679; swordfish, 2,882,214 pounds, valued at $527,726; scallops, 1,267,506 pounds or 211,251 bushels, valued at $407,541; hake, 18,499,317 pounds, valued at $306,941; pollock, 8,294,896 pounds, valued at $220,747; and smelt 688,400 pounds, valued at $152,885. The remaining products aggregated 41,228,940 pounds, valued at $952,361, or about 10 per cent of the quantity and 5 per cent of the value of the total production.

Compared with 1919, the latest previous year for which complete statistics of the fisheries of this section were collected, there was a decrease of 6,254, or 20.33 per cent, in the number of persons engaged; $12,035,273, or 29.65 per cent, in the amount of capital invested; 60,517,705 pounds, or 12.95 per cent, in the quantity and $1,020,525, or 5.14 per cent, in the value of the products landed by the fishermen.

Comparisons of the yield of certain important fisheries with those of previous years give interesting indications of the trend of the New England fisheries. Statistics on total yield are available for 35 years back. Unfortunately, however, the canvasses were taken only at intervals of from 3 to 11 years, and as nothing is known of conditions in the intervening years, any conclusions that might be drawn from the records must be accepted with reservations. The cod fishery apparently maintained a fairly uniform yield during this period. The 1924 total was somewhat higher than that of 1919 but was below some of the previously recorded yields.

The haddock fishery has increased considerably in recent years and is now nearly equal in importance to the cod fishery. In 1924 the yield was the highest on record and was approximately twice as large as the totals recorded in the latter part of the nineteenth century. The flounder fishery increased from a minor fishery yielding less than 3,000,000 pounds in 1899 to one of major importance in 1924, with a yield of over 30,000,000 pounds. Hake and pollock showed considerable growth during the first half of the period considered, but declined considerably in recent years. The same may be said of the alewife. The herring and mackerel fisheries both have been subject to fluctuations of such magnitude that no clearly defined trend can be recognized, although the yields of mackerel in recent years have been larger. The halibut and shad fisheries both show a decided downward trend, the present yield being only half as large as those recorded in earlier years. The yield of swordfish in 1924 was more than double that of 1919 but below the record yield in 1908. The yield of whiting in 1924 was only half as large as that in 1919 but considerably above any previous records. The lobster fishery shows an almost continuous decrease from over 30,000,000 pounds in 1889 to less than 10,000,000 pounds in 1924. Soft clams also have decreased considerably in recent years, although in 1924 the catch

was substantially above that of 1919. The 1924 output of hard clams was the largest on record and was over three times as large as that of 1889.

Fisheries of the New England States, 1924

PERSONS ENGAGED

How engaged	Maine	New Hampshire	Massachusetts	Rhode Island	Connecticut	Total
On vessels fishing	739	2	3,087	334	574	4,736
On vessels transporting	226	4	29	2	17	278
In shore or boat fisheries	4,988	93	3,643	840	707	10,271
Shoresmen	299	35	364			698
Total	6,252	134	7,123	1,176	1,298	15,983

INVESTMENT

Item	Maine		New Hampshire		Massachusetts	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*
Vessels fishing:						
Steam	8	$560,000			21	$1,091,989
Tonnage	1,546				2,096	
Outfit		47,850				245,619
Motor	93	418,950	1	$500	294	4,019,817
Tonnage	1,139		5		8,895	
Outfit		133,313		250		930,293
Sail	3	23,940			2	33,800
Tonnage	243				195	
Outfit		10,650				5,000
Vessels transporting:						
Steam	1	11,000			1	3,000
Tonnage	26				15	
Outfit		2,500				250
Motor	124	416,497	2	9,500	14	96,000
Tonnage	1,318		21		347	
Outfit		117,372		2,125		7,025
Sail	1	4,300			1	750
Tonnage	50				16	
Outfit		100				25
Boats, sail, row, etc	1,989	52,527	33	1,100	1,780	60,730
Boats, motor	2,684	951,205	39	10,000	1,608	770,640
Haul seines	106	16,605			20	2,750
Purse seines	48	36,275			86	116,675
Set nets	45	39,630				
Gill nets	2,108	51,106			8,437	115,547
Pound nets, trap nets, and weirs	387	248,300			218	332,300
Fyke nets	234	4,544			36	555
Bag nets and pocket nets	150	12,270				
Otter trawls	18	3,970			240	30,325
Lines, hand and trawl		51,970		595		79,130
Harpoons		2,025				7,165
Spears	22	45	15	30	75	120
Eel pots and traps	394	908	15	30	1,485	3,499
Sluiceways and traps	7	630				
Lobster pots	154,898	404,411	1,750	5,250	48,868	131,784
Crab pots					1,075	2,925
Dredges and drags	87	7,530			2,546	17,923
Tongs					197	1,346
Forks, rakes, shovels, and hoes	1,247	1,480	29	35	1,200	6,016
Minor apparatus		136		100		642
Shore and accessory property		160,836		3,900		315,358
Total		3,792,875		33,415		8,428,998

Fisheries of the New England States, 1924—Continued

Item	Rhode Island		Connecticut		Total	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*
Vessels fishing:						
Steam	10	$106,200	25	$480,200	64	$2,238,389
Tonnage	257		2,250		6,149	
Outfit		27,585		149,225		470,279
Motor	65	239,180	83	301,590	536	4,980,037
Tonnage	736		1,103		11,878	
Outfit		42,513		40,842		1,147,211
Sail			10	7,300	15	65,040
Tonnage			67		505	
Outfit				415		16,065
Vessels transporting:						
Steam			1	4,000	3	18,000
Tonnage			18		59	
Outfit				1,250		4,000
Motor	6	13,500	8	12,350	154	547,847
Tonnage	59		86		1,831	
Outfit		375		1,295		128,192
Sail			[1] 3	12,000	5	17,050
Tonnage			371		437	
Outfit				200		325
Boats, sail, row, etc	482	18,977	511	25,605	4,795	158,939
Boats, motor	511	229,800	385	263,075	5,227	2,224,720
Haul seines	22	2,042	23	2,297	171	23,694
Purse seines	15	5,750	5	4,250	154	162,950
Set nets					45	39,630
Gill nets	608	10,509	95	5,650	11,248	182,812
Pound nets, trap nets, and weirs	127	183,100	38	9,785	770	773,485
Fyke nets	132	1,880	315	3,043	717	10,022
Bag nets and pocket nets					150	12,270
Otter trawls	42	2,010	87	3,830	387	40,135
Lines, hand and trawl		2,011		833		134,539
Harpoons		1,540		545		11,275
Spears	36	50	25	49	173	294
Eel pots and traps	1,055	689	1,282	1,156	4,231	6,282
Sluiceways and traps					7	630
Lobster pots	34,378	58,856	16,768	21,210	256,662	621,511
Crab pots			75	75	1,150	3,000
Dredges and drags	805	5,591	344	7,741	3,782	38,785
Tongs	239	1,385	103	523	539	3,254
Forks, rakes, shovels, and hoes	205	1,009	90	206	2,771	8,746
Minor apparatus		95		111		1,084
Shore and accessory property		180,920		232,821		893,835
Total		1,135,567		1,593,472		14,984,327

[1] Includes two barges.

Fisheries of the New England States, 1924—Continued.

PRODUCTS

Species	Maine		New Hampshire		Massachusetts	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	1,503,075	$8,619			2,146,904	$22,708
Alewives, salted	7,200	126			296,930	8,662
Alewives, smoked	34,734	2,577				
Bluefish					61,176	15,843
Bonito					13,267	1,192
Butterfish	11,873	1,133			377,929	42,025
Cod, fresh	20,376,007	529,169	97,760	$3,860	62,615,980	2,250,383
Cod, salted	1,033,730	45,635			3,199,061	147,650
Cusk, fresh	1,567,029	27,558	600	10	2,600,008	52,018
Cusk, salted	1,055	26			58,140	1,381
Eels	157,351	17,469	6,200	710	413,732	38,874
Flounders	343,303	13,623			22,996,081	1,009,031
Grayfish					17,850	320
Haddock, fresh	15,457,794	356,195	143,680	5,765	77,683,384	2,286,869
Haddock, salted	49,460	1,027			323	8
Haddock, smoked	1,035	130				
Hake, fresh	11,717,682	134,709	25,270	230	6,684,326	170,637
Hake, salted	2,950	96			28,089	501
Halibut, fresh	139,947	21,884	265	37	4,358,389	766,774
Halibut, salted	800	64			1,530	166
Herring, fresh	47,930,152	447,160			9,035,024	100,352
Herring, salted					2,763,480	103,871
Hickory shad					3,895	157
Mackerel, fresh	2,243,037	99,178			20,441,737	1,152,423
Mackerel, salted	49,935	1,319			1,234,094	89,518
Menhaden	1,000	8			521,864	4,843
Pollock, fresh	2,676,772	38,349	4,075	62	5,338,483	174,279
Pollock, salted	99,506	2,111			10,660	195
Pollock, smoked	1,000	70				
Salmon	12,348	3,994			117	25
Scup					158,321	9,935
Sea bass					26,255	2,766
Shad	243,882	5,598			172,302	8,389
Sharks	21,605	535			25,156	965
Skates					40,979	795
Smelt	627,707	137,430	3,835	1,630	37,698	9,823
Squeteagues					1,646	284
Striped bass					1,023	260
Sturgeon	3,528	1,091			5,805	1,682
Sturgeon caviar	132	264				
Sturgeon roe					104	118
Suckers	153,050	15,327				
Swordfish	863,036	131,284			1,732,992	347,621
Tautog	125	13			131,214	11,520
Tilefish					38,000	3,040
Tomcod	74,050	868			2,191	74
Tuna or horse mackerel	68,405	1,724			122,913	5,604
Whiting	70,000	244			6,306,572	56,740
Other species	28,167	1,263			355,283	11,529
Lobster	5,513,002	1,772,165	125,600	40,000	1,679,601	557,437
Shrimp					750	600
Cockles and winkles					12,580	5,159
Crabs, hard	170,569	6,290	4,165	125	1,750,998	53,865
Squid	1,600	10			2,104,528	52,055
Clams, hard, public	960	80			1,217,768	358,389
Clams, hard, private					4,000	1,500
Clams, soft, public	3,576,340	228,251	36,000	3,600	2,381,750	280,668
Clams, soft, private					138,600	17,095
Clams, razor					22,800	3,040
Oysters, market, private					531,251	267,811
Oysters, seed, public					47,600	5,325
Oysters, seed, private					119,000	12,450
Scallops	95,730	25,687			559,392	192,987
Scallops, sea	200,514	54,989			138,600	48,650
Spawn	19,602	1,326			219,756	13,001
Livers	1,818	46			155,585	4,631
Tongues and sounds	555	27				
Alewife scales					3,000	1,500
Oil, liver	4,027	248				
Oil, sperm					99,227	6,410
Irish moss					115,000	5,175
Total	116,707,179	4,136,989	447,450	56,029	243,362,693	10,799,598

Fisheries of the New England States, 1924—Continued

PRODUCTS—Continued

Species	Rhode Island		Connecticut		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	360,737	$7,803	98,813	$2,234	3,659,529	$41,364
Alewives, salted			11,662	275	315,792	9,063
Alewives, smoked	15,000	225			49,734	2,802
Bluefish	3,736	798	17,241	4,514	82,153	21,155
Bonito	4,505	438			17,772	1,630
Butterfish	685,450	45,681	5,650	442	1,080,902	89,281
Carp			39,333	5,258	39,333	5,258
Cod, fresh	1,356,930	68,296	538,887	30,972	84,985,564	2,882,680
Cod, salted					4,232,791	193,285
Cusk, fresh					4,167,637	79,586
Cusk, salted					59,195	1,407
Eels	168,450	18,656	112,458	12,406	858,191	88,115
Flounders	3,099,425	118,915	4,415,927	197,507	30,854,736	1,339,076
Grayfish	4,100	47			21,950	367
Haddock fresh	134,200	4,466	48,950	2,440	93,468,008	2,655,735
Haddock, salted					49,783	1,035
Haddock, smoked					1,035	130
Hake, fresh	38,000	660	3,000	108	18,468,278	306,344
Hake, salted					31,039	597
Halibut, fresh					4,498,601	788,695
Halibut, salted					2,330	230
Herring, fresh	506,900	10,294	100	2	57,472,176	557,808
Herring, salted					2,763,480	103,871
Hickory, shad	15,500	735	1,900	83	21,295	975
Mackerel, fresh	2,380,700	156,933	303,860	20,067	25,369,334	1,428,601
Mackerel, salted					1,284,029	90,837
Menhaden	1,743,025	17,281	5,270,020	56,438	7,535,909	78,570
Pollock, fresh	116,200	3,740	48,200	1,941	8,183,730	218,371
Pollock, salted					110,166	2,306
Pollock, smoked					1,000	70
Salmon	90	18			12,555	4,037
Scup	1,191,625	59,651	1,750	176	1,351,696	69,762
Sea bass	52,200	4,825	3,150	469	81,605	8,060
Shad	10,982	2,795	88,808	20,855	515,974	37,637
Sharks	4,000	74			50,761	1,574
Skates	13,700	242	200	4	54,879	1,041
Smelt	7,860	1,592	11,300	2,410	688,400	152,885
Squeteagues	59,254	8,621	40,835	5,302	101,735	14,207
Striped bass	67,960	12,899	1,545	396	70,528	13,555
Sturgeon	1,640	324	290	79	11,263	3,176
Sturgeon caviar					132	264
Sturgeon roe	75	94			179	212
Suckers			119,674	8,024	272,724	23,351
Swordfish	206,041	34,925	80,145	13,896	2,882,214	527,726
Tautog	191,300	16,033	72,636	6,234	395,275	33,800
Tilefish			200,130	14,170	238,130	17,210
Tomcod	4,250	141	190	7	80,681	1,090
Tuna or horse mackerel	40,900	4,803			232,218	12,131
Whiting	1,744,200	27,664	2,000	40	8,122,772	84,688
Other species	230,520	6,878	11,441	1,471	625,411	21,141
Lobster	1,696,346	462,000	701,647	240,809	9,716,196	3,072,411
Shrimp	4,000	2,400			4,750	3,000
Cockles and winkles	3,500	700			16,080	5,859
Crabs, hard	50,000	1,000	440	28	1,976,172	61,308
Crabs, sand			10,000	250	10,000	250
Squid	952,700	23,322	16,630	484	3,075,458	75,871
Clams, hard, public	432,400	134,500	22,096	10,005	1,673,224	502,974
Clams, hard, private			1,536	768	5,536	2,268
Clams, soft, public	82,400	15,480	44,350	12,155	6,120,840	540,154
Clams, soft, private					138,600	17,095
Clams, razor					22,800	3,040
Oysters, market, public	3,500	750	18,410	3,865	21,910	4,615
Oysters, market, private	2,580,186	457,614	4,140,416	683,034	7,251,853	1,408,459
Oysters, seed, public			383,950	55,933	431,550	61,258
Oysters, seed, private			3,477,516	583,224	3,596,516	595,674
Scallops	270,840	84,545	2,430	683	928,392	303,902
Scallops, sea					339,114	103,639
Spawn					239,358	14,327
Livers					157,403	4,677
Tongues and sounds					555	27
Alewife scales					3,000	1,500
Oil, liver					4,027	248
Oil, sperm					99,227	6,410
Irish, moss					115,000	5,175
Oyster shells			5,400,000	7,200	5,400,000	7,200
Total	20,535,327	1,818,858	25,769,516	2,006,658	406,822,165	18,818,132

Certain of the foregoing fishery products shown in bushels, number, and gallons

Product	Maine		New Hampshire		Massachusetts	
	Quantity	*Value*	*Quantity*	*Value*	*Quantity*	*Value*
Clams:						
Hard (quahog)—						
Public ..... bushels	120	$80			152, 221	$358, 389
Private ..... do					500	1, 500
Soft—						
Public ..... do	357, 634	228, 251	3, 600	$3, 600	238, 175	280, 668
Private ..... do					13, 860	17, 095
Razor ..... do					2, 280	3, 040
Oysters:						
Market, private ..... do					75, 893	267, 811
Seed—						
Public ..... do					6, 800	5, 325
Private ..... do					17, 000	12, 450
Scallops ..... do	15, 955	25, 687			93, 232	192, 987
Scallops, sea ..... do	33, 419	54, 989			23, 100	48, 650
Cockles and winkles ..... do					1, 258	5, 159
Crabs, hard ..... number	511, 707	6, 290	12, 495	125	5, 252, 994	53, 865
Oil:						
Liver ..... gallons	520	248				
Sperm ..... do					12, 820	6, 410

Product	Rhode Island		Connecticut		Total	
	Quantity	*Value*	*Quantity*	*Value*	*Quantity*	*Value*
Clams:						
Hard (quahog)—						
Public ..... bushels	54, 050	$134, 500	2, 762	$10, 005	209, 153	$502, 974
Private ..... do			192	768	692	2, 268
Soft—						
Public ..... do	8, 240	15, 480	4, 435	12, 155	612, 084	540, 154
Private ..... do					13, 860	17, 095
Razor ..... do					2, 280	3, 040
Oysters:						
Market—						
Public ..... do	500	750	2, 630	3, 865	3, 130	4, 615
Private ..... do	368, 598	457, 614	591, 488	683, 034	1, 035, 979	1, 408, 459
Seed—						
Public ..... do			54, 850	55, 933	61, 650	61, 258
Private ..... do			496, 788	583, 224	513, 788	595, 674
Scallops ..... do	45, 140	84, 545	405	683	154, 732	303, 902
Scallops, sea ..... do					56, 519	103, 639
Cockles and winkles ..... do	350	700			1, 608	5, 859
Crabs:						
Hard ..... number	150, 000	1, 000	1, 320	28	5, 928, 516	61, 308
Sand ..... do			30, 000	250	30, 000	250
Oil:						
Liver ..... gallons					520	248
Sperm ..... do					12, 820	6, 410
Oyster shells ..... bushels			90, 000	7, 200	90, 000	7, 200

Extent of the fisheries of the New England States, various years, 1880 to 1924 [1]

Year	Maine	New Hampshire	Massachusetts	Rhode Island	Connecticut	Total
PERSONS ENGAGED						
1880	11,071	414	20,117	2,310	3,131	37,043
1887	15,323	346	17,053	1,635	3,024	37,381
1888	15,171	362	17,037	1,703	3,037	37,310
1889	14,129	365	17,238	1,757	3,047	36,536
1898	16,954	154	14,363	1,687	2,473	35,631
1902	19,832	161	14,300	2,117	2,840	39,250
1905	15,881	145	15,694	2,212	3,407	37,339
1908	6,861	79	11,577	1,493	2,147	22,157
1919	14,386	100	12,346	1,646	2,289	30,767
1924	11,942	145	9,275	1,469	1,682	24,513
INVESTMENT						
1880	$3,341,344	$209,465	$14,334,450	$596,678	$1,421,020	$19,902,957
1887	3,179,233	106,110	13,205,050	992,761	2,897,687	20,380,841
1888	3,023,921	107,144	13,110,765	1,022,876	2,869,314	20,134,020
1889	2,889,893	112,660	13,245,229	1,020,178	2,826,834	20,094,794
1898	4,013,053	52,648	13,372,902	957,142	1,241,291	19,637,036
1902	6,939,503	42,002	10,811,594	1,014,280	1,201,055	20,008,434
1905	8,972,049	47,050	10,810,442	1,065,426	1,635,753	22,530,720
1908	2,411,000	23,000	5,750,000	1,504,000	2,281,000	11,969,000
1919	17,544,969	45,530	19,111,269	2,249,488	1,645,793	40,597,049
1924	9,406,334	68,315	15,362,016	1,666,587	2,058,572	28,561,824
PRODUCTS						
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
1887	131,379,591	4,254,727	299,544,343	45,284,872	39,750,008	520,213,541
1888	132,929,594	3,843,479	302,045,686	91,687,487	42,401,612	572,907,858
1889	129,559,864	4,354,568	299,217,669	127,365,475	92,672,464	653,170,040
1898	123,404,561	3,020,715	202,257,817	32,854,396	31,920,417	393,457,906
1902	242,390,371	1,593,013	230,645,950	21,613,964	37,832,149	534,075,447
1905	124,723,786	1,036,452	255,654,475	23,896,243	74,972,648	480,283,604
1908	173,843,000	677,000	244,313,000	44,254,000	66,942,000	530,029,000
1919	147,956,369	528,730	246,951,241	48,250,883	23,652,647	470,995,169
1924	116,707,170	447,450	243,362,693	20,535,327	25,769,516	406,822,165
	Value	*Value*	*Value*	*Value*	*Value*	*Value*
1880	$2,742,571	$170,634	$7,959,760	$696,814	$933,242	$12,503,021
1887	2,364,906	99,460	6,464,396	683,495	300,746	9,913,003
1888	2,292,043	90,044	6,355,495	825,092	297,337	9,860,011
1889	2,111,206	88,511	5,858,274	935,144	1,557,506	10,550,641
1898	2,654,919	48,987	4,463,727	955,058	1,559,599	9,682,290
1902	2,918,772	50,003	6,482,427	1,155,701	1,799,381	12,406,284
1905	2,386,406	51,944	7,025,249	1,546,658	3,173,948	14,184,205
1908	3,257,000	53,000	7,095,000	1,752,000	2,982,000	15,139,000
1919	3,889,035	92,660	10,859,746	3,296,678	1,700,638	19,887,406
1924	4,136,989	56,029	10,799,598	1,818,858	2,006,658	18,818,132

[1] The statistics for 1908 are from data published by the Bureau of the Census.

NOTE.—The statistics in this table include the persons engaged and capital invested in both the fisheries and fishery industries.

Products, in pounds, of certain fisheries of the New England States, various years, 1889 to 1924

Year	Alewives	Cod	Flounders	Haddock	Hake	Halibut	Herring
1889	7,882,652	97,145,645	2,950,978	43,473,627	14,816,306	10,740,843	36,316,259
1898	6,985,948	89,207,975	4,109,494	45,676,155	37,184,193	10,828,187	64,587,461
1902	8,437,446	88,254,949	4,508,746	47,077,315	33,182,559	12,365,705	191,739,467
1905	8,743,284	75,065,224	5,761,473	76,617,156	35,470,667	3,017,776	83,390,554
1908	7,581,000	95,284,000	9,753,000	59,544,000	34,121,300	4,353,500	121,700,000
1919	3,782,289	84,917,535	15,541,047	89,405,609	20,222,267	1,960,030	97,636,395
1924	4,025,055	89,218,355	30,854,736	93,518,826	18,499,317	4,500,931	60,235,656

Year	Mackerel	Pollock	Shad	Swordfish	Whiting	Lobsters	Clams, hard	Clams, soft
1889	8,361,408	8,442,397	1,334,714	1,230,339	126,089	30,449,603	544,200	11,542,272
1898	8,795,084	9,444,887	1,415,649	1,617,331	41,050	14,661,808	994,232	11,296,901
1902	20,358,982	17,744,127	1,360,812	1,689,740	2,513,470	14,756,495	1,223,200	8,345,470
1905	15,981,034	28,949,359	1,260,904	3,296,369	4,812,840	11,524,499	1,568,264	6,375,850
1908	11,492,000	29,244,300	1,285,500	2,703,000	713,000	14,734,000	1,381,000	7,294,000
1919	15,785,012	25,009,639	939,995	1,325,980	16,198,637	10,666,707	1,082,152	4,992,874
1924	26,653,363	8,294,856	515,974	2,882,214	8,122,772	9,716,196	1,678,760	6,259,440

WHOLESALE FISHERY TRADE

The wholesale fishery trade in the New England States in 1924 was conducted in 200 establishments, valued at $4,778,356, carrying cash capital of $1,310,950 and employing 1,922 persons, to whom $2,157,537 were paid in salaries and wages. The State of Massachusetts was most important in the wholesale fish trade, having 103 firms. Maine was next in importance with 54 firms, including two engaged in making pearl essence. Rhode Island was third with 25 firms. Connecticut was fourth with 17 firms, and New Hampshire was last with only one firm.

Wholesale fishery trade of the New England States, 1924

Items	Maine and New Hampshire		Massachusetts		Rhode Island		Connecticut		Total	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*	*Number*	*Value*	*Number*	*Value*
Establishments	[1] 55	$642,398	103	$3,552,295	25	$284,563	17	$299,100	200	$4,778,356
Persons engaged	271		1,077		217		357		1,922	
Wages paid		188,620		1,566,654		173,604		228,659		2,157,537
Cash capital		163,850		1,010,900		60,700		75,500		1,310,950

[1] Includes one fresh-fish establishment in New Hampshire and two firms in Maine engaged in making pearl essence.

FISH-CANNING AND BY-PRODUCTS INDUSTRIES

The fish-canning industry of the New England States is located chiefly in Maine and consists mostly in canning sardines. Sardines are canned to a limited extent in Massachusetts also, and there is considerable canning of other products in Maine, Massachusetts, and Rhode Island. Fishery by-products are prepared in all of the States except New Hampshire. The number of plants engaged in these industries in 1924 was 82, having a value of $4,379,662. There were 5,539 persons engaged in these plants, who received wages during the year amounting to $2,316,881, and the cash or working capital employed amounted to $489,500. Of these establishments, 62 were engaged in canning fishery products and 20 in the preparation of fishery by-products, such as fish scrap, fish meal, oil, glue, poultry grit, isinglass, and lime. Sardines were canned at 28 plants in Maine and 1 in Massachusetts. Soft clams were canned at 19 plants in Maine and 2 in Massachusetts, and hard clams at 1 in Rhode Island. There was one menhaden factory in Connecticut. The remaining plants were engaged in canning various products and in the preparation of by-products.

The output included 2,442,284 cases of canned products, valued at $9,255,939, and by-products of various kinds to the value of $1,041,446. The total value of the output amounted to $10,297,385. The canned products included sardines, 1,840,421 cases, valued at $7,269,462; canned clams, 90,609 cases, valued at $478,129; clam chowder, 118,056 cases, valued at $410,165; clam juice and bouillon, 5,747 cases, valued at $9,399; and miscellaneous canned products, 387,452 cases, valued at $1,088,784.

The by-products included fish scrap, 2,930,000 pounds, valued at $64,304; fish meal, 6,345,500 pounds, valued at $146,307; fish oil, 282,044 gallons, valued at $137,031; fish glue, 600,200 gallons, valued at $573,922; poultry grit, 4,924,000 pounds, valued at $33,480; and other products, including isinglass, green fish scrap, and lime, to the value of $86,402.

The extent of the fish canning and by-products industries of the New England States in 1924 is given in detail in the following table:

Fish canning and by-products industries of the New England States in 1924

Item	Number	Value
Plants	[4] 82	$4,379,662
Persons engaged	5,539	
Wages paid		2,316,881
Cash capital		489,500
CANNED PRODUCTS		
Sardines:		
In olive oil: Quarters (100 cans)—cases	39,012	247,027
In cottonseed oil: Quarters (100 cans)—cases	[1] 1,481,431	5,729,852
In mustard:		
Quarters (100 cans)—cases	115,291	486,924
Three-quarters (48 cans)—cases	[2] 184,905	717,470
In tomato sauce: Quarters (100 cans)—cases	19,782	88,189
Clams:		
5-ounce (4 dozen)—cases	[3] 62,848	309,349
6-ounce (2 dozen)—do	5,410	17,474
8-ounce (4 dozen)—do	[4] 16,029	121,854
10-ounce (2 dozen)—do	6,321	29,452
Clam chowder:		
Nos. 1 and 1½ (2 dozen)—cases	67,264	199,669
No. 2 (2 dozen)—do	2,538	7,502
No. 3 (2 dozen)—do	47,029	197,468
No. 10 (½ dozen)—do	1,225	5,526
Clam juice and bouillon:		
5-ounce (4 dozen)—cases	265	$503
10-ounce (2 dozen)—do	[5] 5,482	8,896
Miscellaneous products (various sizes)—cases	[6] 387,452	1,088,784
Total	2,442,284	9,255,939
BY-PRODUCTS		
Scrap—pounds	2,930,000	64,304
Fish meal—do	6,345,500	146,307
Oil:		
Cod and cod-liver, crude—gallons	106,805	66,079
Herring—do	75,587	24,291
Miscellaneous—do	99,652	46,661
Glue—do	600,200	573,922
Poultry grit—pounds	4,924,000	33,480
Miscellaneous by-products		86,402
Total		1,041,446
Grand total		10,297,385

[1] Includes a few cases of ¾-pound cans, 50 cans to the case, converted to a basis of ¼-pound cans, 100 to the case.
[2] Includes a few cases of 50 cans each, converted to a basis of 48 cans to the case.
[3] Includes a few cases of 4-ounce cans converted to a basis of 5-ounce cans.
[4] Includes the pack of 8 and 8½ ounce cans, 2 dozen to the case, converted to a basis of 8-ounce cans, 4 dozen to the case.
[5] Includes a few cases of No. 10 cans converted to a basis of 10-ounce cans; also a few cases of 14-ounce cans, 4 dozen to the case, converted to a basis of 10-ounce cans, 2 dozen to the case.
[6] Includes canned fish flakes, finnan haddie, codfish, boneless herring, haddock chowder, mackerel, deep-sea roe, fiskeboller, and caviarelle.

SALT AND SMOKED FISH INDUSTRIES

The salt and smoked fish industries of the New England States are carried on chiefly in Maine and Massachusetts. In the salted-fish industry in 1924, there were 64 plants, valued at $2,222,313, and the cash or working capital amounted to $279,700. There were 985 persons engaged, who received $874,713 in wages. The total quantity of salted fish prepared was 31,481,569 pounds, valued at $2,979,542. The output in Maine amounted to 13,002,679 pounds, valued at $825,403, and in Massachusetts to 18,478,890 pounds, valued at $2,154,139. The species salted in largest quantities included cod, 16,881,320 pounds, valued at $2,120,046; haddock, 4,132,956 pounds, valued at $283,587; hake, 4,747,176 pounds, valued at $192,054; mackerel, 2,129,393 pounds, valued at $192,045; pollock, 1,442,168 pounds, valued at $93,581; and herring, 770,610 pounds, valued at $37,581. The salted fishery products also included considerable quantities of alewives, cusk, shad, and cod cheeks, tongues, and sounds.

In the smoked-fish industry there were 64 plants, valued at $513,235, with cash or working capital amounting to $164,950. There were 613 persons engaged, and the wages paid during the year amounted to $326,404. The smoked-fish products aggregated 10,356,567 pounds, valued at $1,014,189. The output in Maine was 3,742,862

pounds, valued at $468,380, and in Massachusetts 6,613,705 pounds, valued at $545,809. The greater part of these products consisted of smoked herring, amounting to 7,431,324 pounds, valued at $659,399, of which 2,510,326 pounds, valued at $329,089, were prepared in Maine and 4,920,998 pounds, valued at $330,310, in Massachusetts. The remainder of the smoked fish included alewives, finnan haddie, halibut, and other species.

A number of the plants engaged in salting fish also smoked fish incidentally, and a number of those engaged in smoking did some salting. The salted and smoked products prepared by these firms are included in the statistics. The statistics also include the salted and smoked fish prepared by firms in the canning industry.

The extent of the salted and smoked fish industries in these States in 1924, exclusive of salted fish prepared by the fishermen and included in the statistics of the catch taken in the fisheries, is given in the following tables:

Salt-fish industry of Maine and Massachusetts in 1924

Item	Maine		Massachusetts		Total	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*
Plants	37	$1,279,598	27	$942,715	64	$2,222,313
Persons engaged	451		534		985	
Wages paid		338,288		536,425		874,713
Cash capital		94,400		185,300		279,700
PRODUCTS						
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives	603,038	$13,408	53,000	$5,300	656,038	$18,708
Cod	5,675,886	454,055	10,591,395	1,543,368	16,267,281	1,997,423
Cod, boneless	611,239	122,248	2,800	375	614,039	122,623
Cusk	161,976	5,403	478,556	30,020	640,532	35,423
Cusk, boneless	1,079	162			1,079	162
Haddock	1,143,750	46,597	2,983,806	236,288	4,127,556	282,885
Haddock, boneless	5,400	702			5,400	702
Hake	4,074,213	153,606	672,963	38,448	4,747,176	192,054
Herring	32,330	755	738,280	36,826	770,610	37,581
Mackerel			2,129,393	192,045	2,129,393	192,045
Pollock	682,500	27,614	759,668	65,967	1,442,168	93,581
Shad	5,000	350			5,000	350
Cod cheeks, tongues, and sounds	6,268	503	69,029	5,502	75,297	6,005
Total	13,002,679	825,403	18,478,890	2,154,139	31,481,569	2,979,542

Smoked-fish industry of Maine and Massachusetts in 1924

Item	Maine		Massachusetts		Total	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*
Plants	47	$168,250	17	$344,985	64	$513,235
Persons engaged	432		181		613	
Wages paid		93,439		232,965		326,404
Cash capital		42,450		122,500		164,950
PRODUCTS						
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives	119,460	$7,900			119,460	$7,900
Finnan haddie	1,113,076	131,391	1,252,241	$109,036	2,365,317	240,427
Halibut			39,966	7,939	39,966	7,939
Herring:						
Bloaters	384,005	40,387	1,669,998	139,700	2,054,003	180,087
Lengthwise	49,645	4,172			49,645	4,172
Medium scale	163,795	14,690			163,795	14,690
Boneless	1,782,790	257,417			1,782,790	257,417
Plain or kippered			3,251,000	190,610	3,251,000	190,610
Whole	58,091	10,023			58,091	10,023
Russian sardines	72,000	2,400			72,000	2,400
Other fish			400,500	98,524	400,500	98,524
Total	3,742,862	468,380	6,613,705	545,809	10,356,567	1,014,189

MAINE

Among the New England States in 1924 Maine was second only to Massachusetts in the importance of her fisheries. There were 6,252 persons engaged in the fisheries, of whom 739 were on fishing vessels, 226 on transporting vessels, 4,988 in the shore and boat fisheries, and 299 were employed as shoresmen. The total investment amounted to $3,792,875, which included 230 vessels valued, together with their outfits, at $1,746,472; 2,684 motor boats, valued at $951,205; 1,989 sail and rowboats, valued at $52,527; gear to the value of $881,835, and shore and accessory property to the value of $160,836. The total yield of the fisheries amounted to 116,707,179 pounds, valued at $4,136,989. Based on the value of their yield, the most important species were lobsters, 51,513,002 pounds, valued at $1,772,165; cod, 21,409,737 pounds, valued at $574,804; herring, 47,930,152 pounds, valued at $447,160; haddock, 15,508,289 pounds, valued at $357,352; clams, 3,577,300 pounds, valued at $228,331; smelt, 627,707 pounds, valued at $137,430; and swordfish, 863,036 pounds, valued at $131,284.

Fisheries.—Of the total yield the vessel fisheries produced 37,966,520 pounds, valued at $956,045. The most valuable catch in this fishery was made with lines, amounting to 13,281,355 pounds, valued at $326,585, of which cod and haddock were the most important items. Otter trawls were next, with 10,879,185 pounds, valued at $283,903. Harpoons took 863,036 pounds of swordfish, valued at $131,284. Purse seines, gill nets, haul seines, lobster pots, set nets, and scallop dredges took the remainder of the yield of the vessel fisheries.

The shore and boat fisheries landed 78,740,659 pounds of fishery products, valued at $3,180,944. Lobster pots produced the most valuable yield, amounting to 5,623,810 pounds, valued at $1,759,990. Lines were next, with a yield of 24,319,108 pounds, valued at $476,916, consisting largely of cod, haddock, hake, and smelts. Pound nets, trap nets, weirs, followed with a catch of 30,711,853 pounds, valued at $339,366, of which herring were by far the most important item. Clam hoes yielded 3,577,300 pounds, valued at $228,331. Gill nets, scallop dredges and drags, set nets, bag and pocket nets, haul seines, purse seines, fyke nets, otter trawls, dip nets, eel pots and traps, sluiceways and traps, harpoons, spears and cunner traps, named in order of importance, made up the remainder of the yield of the shore and boat fisheries.

Wholesale trade and industries.—The wholesale fishery trade of Maine, including one firm in New Hampshire and two in Maine engaged in the pearl-essence industry, was carried on in 55 establishments, valued at $642,398, carrying cash capital of $163,850 and employing 271 persons, to whom $188,620 were paid in salaries and wages. Canning, salting, smoking and the manufacture of by-products were carried on in 148 establishments, which were valued at $4,444,761, carried a cash capital of $397,350, employed 5,430 persons, to whom $1,619,115 were paid in salaries and wages, and manufactured $9,668,232 worth of products.

The following tables and summary statements present the detailed statistics of the fisheries of Maine in 1924.[12]

Yield of the vessel fisheries of Maine in 1924, by apparatus and species

Species	Otter trawls		Purse seines		Gill nets		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives			2,600	$33				
Butterfish			318	43				
Cod, fresh	4,520,835	$131,631	1,910	67	1,245,754	$37,014	4,096,585	$115,890
Cod, salted	246,811	11,779					747,845	31,831
Cusk, fresh	180	3	105	2	10,431	171	1,024,940	18,290
Cusk, salted							1,055	26
Flounders	79,930	3,304			1,055	13	1,052	18
Haddock, fresh	5,366,937	122,591	105	3	307,204	7,398	4,456,589	102,667
Haddock, salted	45,010	900						
Hake, fresh	19,364	368	55	1	69,059	1,063	2,515,292	41,214
Hake, salted							590	12
Halibut, fresh	20,560	2,956					50,672	7,673
Halibut, salted							800	64
Herring	92,210	842	2,971,863	38,757				
Mackerel, fresh	9,222	430	550,875	28,381	164,141	13,829		
Mackerel, salted			49,935	1,319				
Pollock, fresh	449,038	8,540	348,568	3,558	163,383	3,050	364,528	7,766
Pollock, salted	26,208	446					310	5
Rosefish					40	1	537	8
Salmon					5	1		
Shad			127,186	2,488	39	5		
Sharks			90	2	2,015	39	400	6
Sturgeon					161	20		
Wolf fish					97	2	5,906	114
Scallops	54	17						
Tongues	90	4						
Spawn	2,736	92			125	2	13,054	965
Livers					137	2	1,200	36
Total	10,879,185	283,903	4,053,610	74,654	1,963,646	62,610	13,281,355	326,585

Species	Haul seines		Set nets		Harpoons		Lobster pots and scallop dredges	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod, fresh	274	$9						
Flounders	100	2						
Herring	5,176,431	31,171	1,628,702	$14,929				
Shad	328	25						
Smelt	2,308	360	710	142				
Sturgeon	102	15						
Swordfish					863,036	$131,284		
Wolf fish	50	1						
Lobsters							[1] 59,761	$18,465
Scallops							[2] 56,922	11,890
Total	5,179,593	31,583	1,629,412	15,071	863,036	131,284	116,683	30,355

[1] Taken by lobster pots.
[2] Taken by scallop dredges.
[12] For statistics on persons engaged, vessels, boats, gear, and investment in the fisheries refer to page 296.

Yield of the shore and boat fisheries of Maine in 1924, by apparatus and species

Species	Pound nets, trap nets, and weirs		Haul seines		Lines		Gill nets	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	267,420	$3,236					500	$25
Alewives, salted	7,200	126						
Alewives, smoked	12,337	794					15,137	1,420
Butterfish	11,555	1,090						
Cod, fresh					8,078,494	$177,881	2,431,655	66,657
Cod, salted					39,074	2,025		
Cusk					519,216	8,712	12,157	380
Eels	29,400	4,410			3,500	550		
Flounders					53,625	2,174		
Haddock, fresh					5,081,221	117,536	245,738	6,000
Haddock, salted					4,450	127		
Haddock, smoked					1,035	130		
Hake, fresh					8,943,612	88,933	132,800	2,380
Hake, salted					2,360	84		
Halibut					68,715	11,255		
Herring	29,137,436	287,184	19,000	$175			3,000	150
Mackerel	1,147,280	36,594	800	50			127,664	9,609
Menhaden			1,000	8				
Pickerel					4,500	675		
Pollock, fresh	2,960	37			1,225,095	12,573	123,200	2,825
Pollock, salted					72,988	1,660		
Pollock, smoked					1,000	70		
Rosefish					2,800	43		
Salmon	11,490	3,701					703	240
Shad	1,455	175					8,654	1,202
Sharks	300	7			1,600	38	17,200	443
Smelt	8,465	1,679	199,166	32,747	197,533	51,697	28,155	7,715
Sturgeon							3,265	1,056
Sturgeon caviar							132	264
Tautog	125	13						
Tomcod			5,150	168				
Tuna or "horse mackerel"	310	16						
Whiting	70,000	244						
Wolf fish	2,520	50			9,630	207		
Squid	1,600	10						
Sounds					465	23		
Spawn					3,687	267		
Livers					481	8		
Oil, livers					4,027	248		
Total	30,711,853	339,366	225,116	33,148	24,319,108	476,916	3,149,960	100,366

Species	Purse seines		Fyke nets		Set nets		Dip nets	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	72,540	$920					710,015	$4,405
Alewives, smoked							7,260	363
Cod					500	$20		
Eels			1,295	$107				
Herring	1,284,074	13,592			7,617,436	60,360		
Mackerel	243,055	10,285						
Shad	106,220	1,703						
Smelt			22,650	3,890			6,000	1,500
Suckers			153,050	15,327				
Tomcod			60,000	300			8,900	400
Yellow perch			975	92				
Total	1,705,889	26,500	237,970	19,716	7,617,936	60,380	732,175	6,668

Species	Lobster pots, eel pots, and traps		Sluiceways and traps		Other trawls		Bag nets and packet nets	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Eels	[1] 76,106	$6,422	34,100	$4,680				
Flounders					207,541	$8,112		
Hake					37,500	750		
Salmon							150	$52
Smelt							162,720	37,700
Lobsters	[2] 5,453,241	1,753,700						
Crabs, hard	[2] 170,569	6,290						
Total	5,699,916	1,766,412	34,100	4,680	245,041	8,862	162,870	37,752

[1] Taken by eel pots and traps.

[2] Taken by lobster pots.

Yield of the shore and boat fisheries of Maine in 1924, by apparatus and species—Continued

Species	Harpoons and spears		Cunner traps		Scallop dredges and drags		Clam hoes	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cunner			1,112	$70				
Eels	[3] 12,950	$1,300						
Tuna or "horse mackerel"	[4] 68,095	1,708						
Clams, hard							960	$80
Clams, soft							3,576,340	228,251
Scallops					38,754	$13,780		
Scallops, sea					200,514	54,969		
Total	81,045	3,008	1,112	70	239,268	68,769	3,577,300	228,331

[3] Taken by spears. [4] Taken by harpoons.

Summary of the yield

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	1,050,475	$8,586	2,600	$33	1,053,075	$8,619
Alewives, salted	7,200	126			7,200	126
Alewives, smoked	34,734	2,577			34,734	2,577
Butterfish	11,555	1,090	318	43	11,873	1,133
Cod, fresh	10,510,649	244,558	9,865,358	284,611	20,376,007	529,169
Cod, salted	39,074	2,025	994,656	43,610	1,033,730	45,635
Cunners	1,112	70			1,112	70
Cusk, fresh	531,373	9,092	1,035,656	18,466	1,567,029	27,558
Cusk, salted			1,055	26	1,055	26
Eels	157,351	17,469			157,351	17,469
Flounders	261,166	10,286	82,137	3,337	343,303	13,623
Haddock, fresh	5,326,959	123,536	10,130,835	232,659	15,457,794	356,195
Haddock, salted	4,450	127	45,010	900	49,460	1,027
Haddock, smoked	1,035	130			1,035	130
Hake, fresh	9,113,912	92,063	2,603,770	42,646	11,717,682	134,709
Hake, salted	2,360	84	590	12	2,950	96
Halibut, fresh	68,715	11,255	71,232	10,629	139,947	21,884
Halibut, salted			800	64	800	64
Herring	38,060,946	361,461	9,869,206	85,699	47,930,152	447,160
Mackerel, fresh	1,518,799	56,538	724,238	42,640	2,243,037	99,178
Mackerel, salted			49,935	1,319	49,935	1,319
Menhaden	1,000	8			1,000	8
Pickerel	4,500	675			4,500	675
Pollock, fresh	1,351,255	15,435	1,325,517	22,914	2,676,772	38,349
Pollock, salted	72,988	1,660	26,518	451	99,506	2,111
Pollock, smoked	1,000	70			1,000	70
Rosefish	2,800	43	577	9	3,377	52
Salmon	12,343	3,993	5	1	12,348	3,994
Shad	116,329	3,080	127,553	2,518	243,882	5,598
Sharks	19,100	488	2,505	47	21,605	535
Smelt	624,689	136,928	3,018	502	627,707	137,430
Sturgeon	3,265	1,056	263	35	3,528	1,091
Sturgeon caviar	132	264			132	264
Suckers	153,050	15,327			153,050	15,327
Swordfish			863,036	131,284	863,036	131,284
Tautog	125	13			125	13
Tomcod	74,050	868			74,050	868
Tuna or horse mackerel	68,405	1,724			68,405	1,724
Whiting	70,000	244			70,000	244
Wolf fish	12,150	257	6,053	117	18,203	374
Yellow perch	975	92			975	92
Squid	1,600	10			1,600	10
Lobsters	5,453,241	1,753,700	59,761	18,465	5,513,002	1,772,165
Crabs, hard	170,569	6,290			170,569	6,290
Clams, hard	960	80			960	80
Clams, soft	3,576,340	228,251			3,576,340	228,251
Scallops	38,754	13,780	56,976	11,907	95,730	25,687
Scallops, sea	200,514	54,989			200,514	54,989
Tongues			90	4	90	4
Sounds	465	23			465	23
Spawn	3,687	267	15,915	1,059	19,602	1,326
Livers	481	8	1,337	38	1,818	46
Oil, liver	4,027	248			4,027	248
Total	78,740,659	3,180,944	37,966,520	956,045	116,707,179	4,136,989

Summary by counties

County	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Cumberland	914	633,022	22,823,252	$829,319
Hancock	1,499	523,221	22,813,838	839,460
Kennebec	43	5,530	128,145	15,048
Knox	950	1,177,706	23,853,314	1,006,739
Lincoln	677	291,151	11,265,266	378,711
Penobscot	11	2,340	26,390	6,237
Sagadahoc	395	53,758	1,903,874	115,732
Waldo	69	45,372	4,141,238	55,482
Washington	1,376	862,002	23,403,653	585,246
York	318	198,773	6,348,209	305,015
Total	6,252	3,792,875	116,707,179	4,136,989

NEW HAMPSHIRE

New Hampshire, with only one coastal county, was the least important of the New England States with respect to her fisheries. Exclusive of the wholesale trade, there were 134 persons engaged, of whom 2 were on fishing vessels, 4 on transporting vessels, 93 in the shore or boat fisheries, and 35 were employed as shoresmen. The total investment in the fisheries amounted to $33,415, which included 3 vessels valued, together with their outfits, at $12,375; 39 motor boats, valued at $10,000; 33 sail and rowboats, valued at $1,100; gear to the value of $6,040; and shore and accessory property to the value of $3,900. The total yield of the fisheries amounted to 447,450 pounds, valued at $56,029. Lobsters contributed over 70 per cent of the value of this yield. Next in importance were haddock, cod, and soft clams.

Fisheries.—The only gear used in the vessel fisheries was the trawl line, the total yield of which amounted to 52,535 pounds, valued at $1,610. The most important item in this yield was haddock. The shore and boat fisheries yielded 394,915 pounds of fishery products, valued at $54,419. Lobster pots were the most important gear, yielding 129,765 pounds of lobsters and crabs, valued at $40,125. Trawl lines were next, with 211,115 pounds, valued at $7,954, of which haddock and cod were the most important items. Hand lines, eel pots, dip nets, spears, and hoes took the remainder of the yield of this fishery.

Wholesale trade and industries.—The wholesale fishery trade of New Hampshire was carried on by two firms, and the detailed statistics are included with those of the wholesale trade of Maine.

The following tables and summary statements present the detailed statistics of the fisheries of New Hampshire in 1924.[13]

Yield of the shore and boat fisheries of New Hampshire in 1924, by apparatus and species

Apparatus and species	Pounds	Value	Apparatus and species	Pounds	Value
Hand lines:			Lobster pots:		
Cod	7,500	$375	Lobsters	125,600	$40,000
Haddock	500	25	Crabs, hard	4,165	125
Smelt	3,000	1,200	Total	129,765	40,125
Total	11,000	1,600			
Trawl lines:			Eel pots: Eels	1,200	150
Cod	86,660	3,410	Dip nets: Smelt	835	430
Cusk	600	10	Spears: Eels	5,000	560
Haddock	100,180	4,250	Hoes: Clams, soft	36,000	3,600
Hake	19,935	190			
Halibut	265	37	Grand total	394,915	54,419
Pollock	3,475	57			
Total	211,115	7,954			

[13] For statistics on persons engaged, vessels, boats, gear, and investment in the fisheries refer to page 296.

Summary of the yield

Products	Vessel fisheries		Shore fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod	3,600	$75	94,160	$3,785	97,760	$3,860
Cusk			600	10	600	10
Eels			6,200	710	6,200	710
Haddock	43,000	1,490	100,680	4,275	143,680	5,765
Hake	5,335	40	19,935	190	25,270	230
Halibut			265	37	265	37
Pollock	600	5	3,475	57	4,075	62
Smelt			3,835	1,630	3,835	1,630
Crabs, hard			4,165	125	4,165	125
Lobsters			125,600	40,000	125,600	40,000
Clams, soft			36,000	3,600	36,000	3,600
Total	52,535	1,610	394,915	54,419	447,450	56,029

MASSACHUSETTS

In 1924, as in previous years, Massachusetts fisheries were the most important among the New England States. There were 7,123 persons engaged in the fisheries, of whom 3,087 were employed on fishing vessels, 29 on transporting vessels, 3,643 in the shore or boat fisheries, and 364 as shoresmen. The total investment amounted to $8,428,998, which included 333 fishing and transporting vessels, valued, together with their outfits, at $6,433,568; 1,608 motor boats, valued at $770,640; 1,780 sail and row boats, valued at $60,730; fishing gear and apparatus to the value of $848,702; and shore and accessory property to the value of $315,358. Some of the most important species, arranged in order of value of their yields, were cod, 65,815,041 pounds, valued at $2,398,033; haddock, 77,683,707 pounds, valued at $2,286,877; mackerel, 21,675,831 pounds, valued at $1,241,941; flounders, 22,996,081 pounds, valued at $1,009,031; halibut, 4,359,919 pounds, valued at $766,940; clams, 3,764,918 pounds, valued at $660,692; lobsters, 1,679,601 pounds, valued at $557,437; swordfish, 1,732,922 pounds, valued at $347,621; oysters, 697,851 pounds, valued at $285,586; scallops, 697,992 pounds, valued at $241,637; and herring, 11,798,504 pounds, valued at $204,223. Other important species were pollock, hake, whiting, crabs, and squid.

Fisheries.—The vessel fisheries yielded a total of 188,766,122 pounds of fishery products, valued at $7,746,831. In this fishery, lines were most important, yielding 100,417,198 pounds of cod, haddock, halibut, and other fishes valued at $3,800,819. Otter trawls were next, with 61,124,581 pounds of haddock, flounders, cod, and other fishes valued at $2,126,728. Purse seines followed, with 12,912,964 pounds of mackerel and other fish valued at $743,776. Gill nets were fourth, with 12,058,391 pounds of mackerel, cod, herring, and other fish valued at $559,187. Swordfish and whales were taken with harpoons; clams, oysters, and scallops were taken with dredges; lobster pots took lobsters; and rakes took clams, all of which products made up the remainder of the yield in the vessel fisheries.

The yield of the boat fisheries was 54,596,571 pounds of fishery products, valued at $3,052,767; tongs, rakes, forks, and hoes, used in taking shellfish and Irish moss, produced the most valuable products in this fishery, which totaled 3,800,062 pounds, valued at $721,007. Lobster, crab, and eel pots were next, with 3,595,136 pounds, valued at $615,245. Lines followed, with 11,240,295 pounds of cod, haddock, and other fish, valued at $445,619. Pound and trap nets were next,

with a yield of 18,705,968 pounds of mackerel, herring, whiting, squid, and other species, valued at $389,178. Dredges, otter trawls, purse seines, gill nets, dip nets, haul seines, harpoons, fyke nets, spears, and cockle traps, named in order of value, yielded the remainder of the products in the shore and boat fisheries.

Wholesale trade and industries.—In the wholesale fishery trade there were 103 establishments, valued at $3,552,295, which used cash capital to the amount of $1,010,900 and employed 1,077 persons, to whom $1,566,654 was paid in salaries and wages. Canning, salting, smoking, and by-products manufacture were carried on by 47 establishments, valued at $2,004,023 and using cash capital of $365,800, which employed 1,075 persons, to whom $1,161,550 was paid in salaries and wages, and manufactured products to the value of $4,259,527.

The following tables and summary statements present the detailed statistics of the fisheries of Massachusetts in 1924.[14]

Yield of the vessel fisheries of Massachusetts in 1924, by apparatus and species

Species	Purse seines		Gill nets		Otter trawls		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives	170,767	$2,989						
Bluefish							55,325	$14,767
Butterfish	3,524	692	6,884	$586	29,388	$5,092	202	52
Cod, fresh	21,490	860	3,466,047	168,095	7,082,923	271,166	45,392,671	1,533,744
Cod, salted							3,065,461	139,634
Cunner					367	18		
Cusk, fresh			2,128	53	33,970	1,689	2,500,680	48,855
Cusk, salted							58,140	1,381
Eels					12	2	500	90
Flounders			12,893	196	16,535,740	731,296	7,230	367
Haddock, fresh			793,877	32,840	35,099,972	1,028,205	38,643,359	1,128,220
Haddock, salted							323	8
Hake, fresh			122,521	3,340	962,644	23,715	4,834,381	122,552
Hake, salted					1,150	32	26,939	469
Halibut, fresh			10	2	91,904	16,955	4,256,605	747,989
Halibut, salted							1,530	166
Herring, fresh	453,450	6,367	105	2				
Herring, salted			2,763,480	103,871				
Mackerel, fresh	10,667,415	638,742	2,469,744	183,506				
Mackerel, salted	1,222,270	88,658	11,824	860				
Menhaden	300,000	3,000						
Pollock, fresh	11,218	449	2,254,713	61,116	929,788	35,947	1,325,068	48,475
Pollock, salted							10,660	195
Rosefish					75,890	1,612	1,080	29
Scup							800	80
Sea bass							17,250	1,725
Shad	62,830	2,019	658	42				
Sharks			5,659	184	55	5	140	3
Skates					29,160	613		
Sturgeon			363	68	3,362	934		
Tautog							1,000	120
Tilefish							38,000	3,040
Wolf fish			100	2	170,024	4,316	41,340	1,017
Squid							585	28
Spawn			70	3	78,232	5,131	130,119	7,617
Livers			147,315	4,421			7,810	196
Total	12,912,964	743,776	12,058,391	559,187	61,124,581	2,126,728	100,417,198	3,800,819

Species	Harpoons		Lobster pots		Dredges		Rakes	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Swordfish	1,635,352	$330,575			189,160	$47,050	16,720	$5,861
Clams, hard					188,251	86,036		
Oyster, market, private					30,498	10,684		
Scallops					18,000	6,550		
Scallops, sea								
Lobsters			75,780	$23,155				
Sperm oil	99,227	6,410						
Total	1,734,579	336,985	75,780	23,155	425,909	150,320	16,720	5,861

[14] For statistics on persons engaged, vessels, boats, gear, and investment in the fisheries refer to page 296.

Yield of the shore and boat fisheries of Massachusetts in 1924, by apparatus and species

Species	Gill nets		Pound nets and trap nets		Otter trawls		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	3,000	$120	317,537	$3,357				
Bluefish	515	198	5,336	878				
Bonito	2,820	327	10,447	865				
Butterfish	8,055	805	314,856	33,434			700	$75
Cod, fresh	97,322	4,232	67,838	2,132	51,407	$1,888	6,414,282	267,386
Cod, salted							133,600	8,016
Cusk, fresh							63,230	1,421
Eels			6,243	345			4,685	680
Flounders	5,800	290	33,686	1,474	6,253,673	267,341	145,559	8,007
Grayfish			17,850	320				
Haddock, fresh	74,134	2,928	4,366	107	346,161	9,963	2,721,515	84,606
Hake, fresh	32,913	1,034	27,732	580	50,559	1,334	653,576	18,082
Halibut, fresh					10	2	9,860	1,826
Herring, fresh	83,900	1,719	4,776,701	57,544				
Hickory shad			3,895	157				
Mackerel, fresh	987,787	56,605	4,079,056	154,118			95,316	6,392
Menhaden			221,864	1,843				
Pollock, fresh	9,390	390	65,603	2,108	18,434	723	713,269	24,631
Rosefish					10,486	158	147	3
Salmon			117	25				
Scup	1,000	85	115,346	6,426	200	30	40,975	3,314
Sea bass			4,175	536	840	101	3,990	404
Shad	3,250	325	105,564	6,003				
Sharks	1,172	26	18,130	747				
Skates			8,859	124			2,960	58
Smelt			168	28			37,530	9,795
Squeteagues			1,646	284				
Striped bass			68	21				
Sturgeon	1,500	515	580	165				
Sturgeon roe	50	50	54	68				
Tautog	3,500	350	13,339	1,192			113,300	9,850
Tomcod			2,191	74				
Tuna or "horse mackerel"			122,913	5,604				
Whiting	1,100	11	6,295,472	56,429			10,000	300
Wolffish					1,880	28	5,646	108
Other fish			20,393	613				
Squid			2,043,943	51,577			60,000	450
Spawn					1,640	49	9,695	201
Livers							460	14
Total	1,317,208	70,010	18,705,968	389,178	6,735,290	281,617	11,240,295	445,619

Species	Purse seines		Haul seines		Fyke nets		Dip nets	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh			791,600	$8,922			864,000	$7,320
Alewives, salted			54,930	2,612			242,000	6,050
Butterfish	14,320	$1,289						
Cod, fresh	22,000	880						
Eels			92,000	1,840	37,570	$4,817		
Flounders					1,500	60		
Herring, fish	495,630	4,956					3,225,238	29,764
Mackerel, fresh	2,142,419	113,060						
Mummichog							330	100
Pollock, fresh	11,000	440						
Striped bass			955	239				
Tautog			75	8				
White perch			27,600	3,525				
Scallops							1,800	540
Shrimp							750	600
Alewife scales							3,000	1,500
Total	2,685,369	120,625	967,160	17,146	39,070	4,877	4,337,118	45,874

Yield of the shore and boat fisheries of Massachusetts in 1924, by apparatus and species—Continued

Species	Harpoons		Spears		Lobster pots, crab pots, and eel pots		Cockle traps	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Eels			32,405	$4,002	240,317	$27,098		
Swordfish	97,640	$17,046						
Cockles							9,280	$3,839
Crabs, hard					1,750,998	53,865		
Lobsters					1,603,821	534,282		
Total	97,640	17,046	32,405	4,002	3,595,136	615,245	9,280	3,839

Species	Dredges		Tongs, rakes, forks, and hoes		Hand	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Clams, hard, public	252,456	$66,169	757,432	$238,394	2,000	$915
Clams, hard, private			4,000	1,500		
Clams, soft, public			2,381,750	280,668		
Clams, soft, private			138,600	17,095		
Clams, razor			22,800	3,040		
Oysters, market, private	62,300	17,075	280,700	164,700		
Oysters, seed, public			47,600	5,325		
Oysters, seed, private	70,000	8,400	49,000	4,050		
Scallops	523,734	180,643	3,180	1,060	180	60
Scallops, sea	120,600	42,100				
Cockles					3,300	1,320
Irish moss			115,000	5,175		
Total	1,029,090	314,387	3,800,062	721,007	5,480	2,295

Summary of the yield

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	1,976,137	$19,719	170,767	$2,989	2,146,904	$22,708
Alewives, salted	296,930	8,662			296,930	8,662
Bluefish	5,851	1,076	55,325	14,767	61,176	15,843
Bonito	13,267	1,192			13,267	1,192
Butterfish	337,931	35,603	39,998	6,422	377,929	42,025
Catfish and wolf fish	7,526	136	211,464	5,335	218,990	5,471
Cod, fresh	6,652,849	276,518	55,963,131	1,973,865	62,615,980	2,250,383
Cod, salted	133,600	8,016	3,065,461	139,634	3,199,061	147,650
Cunner			367	18	367	18
Cusk, fresh	63,230	1,421	2,536,778	50,597	2,600,008	52,018
Cusk, salted			58,140	1,381	58,140	1,381
Eels	413,220	38,782	512	92	413,732	38,874
Flounders	6,440,218	277,172	16,555,863	731,859	22,996,081	1,009,031
Gray fish	17,850	320			17,850	320
Haddock, fresh	3,146,176	97,604	74,537,208	2,189,265	77,683,384	2,286,869
Haddock, salted			323	8	323	8
Hake, fresh	764,780	21,030	5,919,546	149,607	6,684,326	170,637
Hake, salted			28,089	501	28,089	501
Halibut, fresh	9,870	1,828	4,348,519	764,946	4,358,389	766,774
Halibut, salted			1,530	166	1,530	166
Herring, fresh	8,581,469	93,983	453,555	6,369	9,035,024	100,352
Herring, salted			2,763,480	103,871	2,763,480	103,871
Hickory shad	3,895	157			3,895	157
Mackerel, fresh	7,304,578	330,175	13,137,159	822,248	20,441,737	1,152,423
Mackerel, salted			1,234,094	89,518	1,234,094	89,518
Menhaden	221,864	1,843	300,000	3,000	521,864	4,843
Mummichog	330	100			330	100
Pollock, fresh	817,696	28,292	4,520,787	145,987	5,338,483	174,279
Pollock, salted			10,660	195	10,660	195
Rosefish	10,633	161	76,970	1,641	87,603	1,802
Salmon	117	25			117	25
Scup	157,521	9,855	800	80	158,321	9,935
Sea bass	9,005	1,041	17,250	1,725	26,255	2,766
Shad	108,814	6,328	63,488	2,061	172,302	8,389
Sharks	19,302	773	5,854	192	25,156	965
Skates	11,819	182	29,160	613	40,979	795
Smelt	37,698	9,823			37,698	9,823
Squeteagues	1,646	284			1,646	284
Striped bass	1,023	260			1,023	260
Sturgeon	2,080	680	3,725	1,002	5,805	1,682
Sturgeon roe	104	118			104	118

Summary of the yield—Continued

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Swordfish	97,640	$17,046	1,635,352	$330,575	1,732,992	$347,621
Tautog	130,214	11,400	1,000	120	131,214	11,520
Tilefish			38,000	3,040	38,000	3,040
Tomcod	2,191	74			2,191	74
Tuna or horse mackerel	122,913	5,604			122,913	5,604
Whiting	6,306,572	56,740			6,306,572	56,740
White perch	27,600	3,525			27,600	3,525
Other fish	20,393	613			20,393	613
Squid	2,103,943	52,027	585	28	2,104,528	52,055
Clams, hard, public	1,011,888	305,478	205,880	52,911	1,217,768	358,389
Clams, hard, private	4,000	1,500			4,000	1,500
Clams, soft, public	2,381,750	280,668			2,381,750	280,668
Clams, soft, private	138,600	17,095			138,600	17,095
Clams, razor	22,800	3,040			22,800	3,040
Oysters, market, private	343,000	181,775	188,251	86,036	531,251	267,811
Oysters, seed, public	47,600	5,325			47,600	5,325
Oysters, seed, private	119,000	12,450			119,000	12,450
Scallops	528,894	182,303	30,498	10,684	559,392	192,987
Scallops, sea	120,600	42,100	18,000	6,550	138,600	48,650
Ceckles	12,580	5,159			12,580	5,159
Crabs, hard	1,750,998	53,865			1,750,998	53,865
Lobsters	1,603,821	534,282	75,780	23,155	1,679,601	557,437
Shrimp	750	600			750	600
Spawn	11,335	250	208,421	12,751	219,756	13,001
Livers	460	14	155,125	4,617	155,585	4,631
Sperm oil			99,227	6,410	99,227	6,410
Alewife scales	3,000	1,500			3,000	1,500
Irish moss	115,000	5,175			115,000	5,175
Total	54,596,571	3,052,767	188,766,122	7,746,831	243,362,693	10,799,598

Summary by counties

County	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Barnstable	1,374	952,186	32,830,492	$1,566,717
Bristol	528	386,752	6,547,345	452,814
Dukes	378	336,381	4,344,267	441,101
Essex	2,541	3,294,379	95,893,555	4,345,974
Nantucket	246	328,429	5,115,613	393,747
Norfolk	77	18,990	179,785	39,981
Plymouth	795	130,799	2,861,539	285,030
Suffolk	1,184	2,981,082	95,590,097	3,274,234
Total	7,123	8,428,998	243,362,693	10,799,598

RHODE ISLAND

In 1924 Rhode Island ranked fourth among the New England States in the number of persons engaged, investment, and yield of her fisheries. The total number of persons employed was 1,176, of whom 334 were on fishing vessels, two on transporting vessels, and 840 in the shore or boat fisheries. The investment in the fisheries amounted to $1,135,567 and included 81 vessels valued, together with their outfits, at $429,353; 511 motor boats valued at $229,800; 482 sail and row boats valued at $18,977; gear to the value of $276,517; and shore and accessory property valued at $180,920. The total yield of the fisheries amounted to 20,535,327 pounds of fishery products, valued at $1,818,858. The leading products, named in order of value, were lobsters, 1,696,346 pounds, valued at $462,000; oysters, 2,583,686 pounds, valued at $458,364; mackerel, 2,380,700 pounds, valued at $156,933; and flounders, 3,099,425 pounds, valued at $118,915.

Fisheries.—The yield of the vessel fisheries amounted to 12,342,412 pounds, valued at $868,501. Dredges were most important in the

vessel fisheries, yielding 2,550,786 pounds, valued at $451,545, consisting almost entirely of oysters. Trap nets were next, with a yield of 4,319,015 pounds, valued at $174,945, of which mackerel and scup were the most important. Otter trawls yielded 2,178,650 pounds, valued at $79,068, most of which were flounders. Purse seines, lines, harpoons, lobster pots, gill nets, and tongs, named in order of importance, made up the remainder of the shore and vessel fisheries.

The shore and boat fisheries yielded 8,192,915 pounds of fishery products, valued at $950,357. Lobster pots yielded 1,657,079 pounds, valued at $438,888. Pound and trap nets took 4,162,046 pounds, valued at $184,866, consisting of various species of fish, the most important of which were mackerel, butterfish, scup, and flounders. Tongs, rakes, hoes, forks, and shovels together yielded 515,900 pounds of clams and oysters, valued at $149,980. Dredges, lines, haul seines, otter trawls, harpoons, eel pots, fyke nets, spears, dip nets, winkle pots, and gill nets, named in order of importance, took the remainder of the yield of the shore and boat fishery.

Wholesale trade and industries.—The wholesale fishery trade was carried on in 25 establishments, valued at $284,563, carrying cash capital of $60,700 and employing 217 persons, to whom $173,604 were paid in salaries and wages. Canning and by-products industries were carried on in three establishments, detailed statistics of which may be found in the table including Rhode Island and Connecticut.

The following tables and summary statements present the detailed statistics of the fisheries of Rhode Island in 1924.[15]

Yield of the vessel fisheries of Rhode Island in 1924, by apparatus and species

Species	Purse seines		Gill nets		Trap nets		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives					47,000	$940		
Bluefish					1,400	280		
Bonito					3,000	312		
Butterfish			1,000	$80	380,000	21,560		
Cod					142,000	7,100	595,380	$30,104
Eels					600	60		
Flounders					232,000	11,300		
Grayfish					600	12		
Haddock					6,000	300	50,400	1,812
Hake					1,000	40	9,000	185
Herring	50,000	$1,000			60,000	1,200		
Hickory shad					3,800	190		
Mackerel	640,398	44,561	170,750	14,098	730,000	43,900	31,025	1,687
Menhaden	1,400,000	14,000	50,000	500	19,000	190		
Pollock					18,600	800	21,000	590
Pompano					100	20		
Salmon			50	4	40	14		
Sculpin					8,000	80		
Scup					744,000	37,200		
Sea bass					25,400	2,540		
Sea robin					55,000	750		
Shad					800	200		
Sharks					2,000	40		
Skates					5,600	112		
Squeteagues					16,600	2,490		
Striped bass					49,000	9,120		
Sturgeon					1,400	280		
Sturgeon roe					75	94		
Tautog					5,600	448	23,750	2,035
Tuna					35,400	4,248		
Whiting					1,280,000	18,800		
Squid					445,000	10,325		
Total	2,090,398	59,561	221,800	14,682	4,319,015	174,945	730,555	36,413

[15] For statistics on persons engaged, vessels, boats, gear, and investment in the fisheries refer to page 297.

Yield of the vessel fisheries of Rhode Island in 1924, by apparatus and species—Continued

Species	Otter trawls		Harpoons		Lobster pots		Dredges and tongs	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod	10,000	$500						
Flounders	2,161,850	78,359						
Haddock	5,800	194						
Hake	1,000	15						
Swordfish			159,541	$27,425				
Lobsters					89,267	$24,112		
Clams, hard							[1] 2,400	$750
Oysters, market, private							[2] 2,548,686	450,864
Scallops							[2] 2,100	681
Total	2,178,650	79,068	159,541	27,425	89,267	24,112	2,553,186	452,295

[1] Taken by tongs. [2] Taken by dredges.

Yield of the shore and boat fisheries of Rhode Island in 1924, by apparatus and species

Species	Haul seines		Pound nets and trap nets		Fyke nets		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	10,000	$300	303,737	$6,563				
Alewives, smoked	15,000	225						
Bluefish			2,236	503				
Bonito			1,505	126				
Butterfish			304,450	24,041				
Cod			18,300	939			590,250	$29,613
Cunner			600	18	4,000	$80		
Eels	19,800	2,248	42,600	4,426	5,200	580	24,750	3,142
Flounders	4,200	198	345,075	17,628	25,000	1,250	3,300	180
Goosefish			300	6				
Grayfish			3,500	35				
Haddock							69,000	2,070
Hake			1,000	30			26,000	390
Herring	100,000	2,050	296,900	6,044				
Hickory shad			11,700	545				
Mackerel			759,527	50,037			49,000	2,650
Menhaden			274,025	2,591				
Mummichog	8,000	2,880						
Pollock			36,600	1,350			40,000	1,000
Pompano			25	7				
Sculpin			5,000	50				
Scup			447,625	22,451				
Sea bass			26,800	2,285				
Sea robin			119,200	1,212				
Shad			10,182	2,595				
Sharks			2,000	34				
Skates			8,100	130				
Smelt	200	60	7,660	1,532				
Squeteagues	2,000	200	40,154	5,921				
Striped bass	4,000	1,000	14,910	2,769				
Sturgeon			240	44				
Tautog	3,250	235	94,500	7,980	13,000	1,075	51,200	4,260
Tomcod	400	12	3,850	129				
Tuna			5,500	555				
White perch	2,600	510	2,150	405				
Whiting			464,200	8,864				
Yellow perch			195	24				
Shrimp	4,000	2,400						
Squid			507,700	12,997				
Total	173,450	12,318	4,162,046	184,866	47,200	2,985	853,500	43,305

Species	Gill nets		Dip nets		Otter trawls		Harpoons	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Bluefish	100	$15						
Cod					1,000	$40		
Cunner			25,350	$836				
Flounders					328,000	10,000		
Haddock					3,000	90		
Squeteagues	500	10						
Striped bass	50	10						
Swordfish							46,500	$7,500
Total	650	35	25,350	836	332,000	10,130	46,500	7,500

Yield of the shore and boat fisheries of Rhode Island in 1924, by apparatus and species—Continued

Species	Lobster, eel, and winkle pots		Spears		Dredges		Tongs, rakes, hoes, forks, and shovels	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Eels	[1] 59,200	$6,184	16,300	$2,016				
Lobsters	[2] 1,607,079	437,888						
Crabs, hard	[2] 50,000	1,000						
Clams, hard							430,000	$133,750
Clams, soft							82,480	15,480
Oysters, market, public							3,500	750
Oysters, market, private					31,500	$6,750		
Scallops					268,740	83,864		
Winkles	[3] 3,500	700						
Total	1,719,779	445,772	16,300	2,016	300,240	90,614	515,900	149,980

[1] Taken by eel pots. [2] Taken by lobster pots. [3] Taken by winkle pots.

Summary of the yield

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	313,737	$6,863	47,000	$940	360,737	$7,803
Alewives, smoked	15,000	225			15,000	225
Bluefish	2,336	518	1,400	280	3,736	798
Bonito	1,505	126	3,000	312	4,505	438
Butterfish	304,450	24,041	381,000	21,640	685,450	45,681
Cod	609,550	30,592	747,380	37,704	1,356,930	68,296
Cunner	29,950	934			29,950	934
Eels	167,850	18,596	600	60	168,450	18,656
Flounders	705,575	29,256	2,393,850	89,659	3,099,425	118,915
Goosefish	300	6			300	6
Grayfish	3,500	35	600	12	4,100	47
Haddock	72,000	2,160	62,200	2,306	134,200	4,466
Hake	27,000	420	11,000	240	38,000	660
Herring	396,900	8,094	110,000	2,200	506,900	10,294
Hickory shad	11,700	545	3,800	190	15,500	735
Mackerel	808,527	52,687	1,572,173	104,246	2,380,700	156,933
Menhaden	274,025	2,591	1,469,000	14,690	1,743,025	17,281
Mummichog	8,000	2,880			8,000	2,880
Pollock	76,600	2,350	39,600	1,390	116,200	3,740
Pompano	25	7	100	20	125	26
Salmon			90	18	90	18
Sculpin	5,000	50	8,000	80	13,000	130
Scup	447,625	22,451	744,000	37,200	1,191,625	59,651
Sea bass	26,800	2,285	25,400	2,540	52,200	4,825
Sea robin	119,200	1,212	55,000	750	174,200	1,962
Shad	10,182	2,595	800	200	10,982	2,795
Sharks	2,000	34	2,000	40	4,000	74
Skates	8,100	130	5,600	112	13,700	242
Smelt	7,860	1,592			7,860	1,592
Squeteagues	42,654	6,131	16,600	2,490	59,254	8,621
Striped bass	18,960	3,779	49,000	9,120	67,960	12,899
Sturgeon	240	44	1,400	280	1,640	324
Sturgeon roe			75	94	75	94
Swordfish	46,500	7,500	159,541	27,425	206,041	34,925
Tautog	161,950	13,550	29,350	2,483	191,300	16,033
Tomcod	4,250	141			4,250	141
Tuna	5,500	555	35,400	4,248	40,900	4,803
White perch	4,750	915			4,750	915
Whiting	464,200	8,864	1,280,000	18,800	1,744,200	27,664
Yellow perch	195	24			195	24
Lobsters	1,607,079	437,888	89,267	24,112	1,696,346	462,000
Shrimp	4,000	2,400			4,000	2,400
Crabs, hard	50,000	1,000			50,000	1,000
Squid	507,700	12,997	445,000	10,325	952,700	23,322
Clams, hard	430,000	133,750	2,400	750	432,400	134,500
Clams, soft	82,400	15,480			82,400	15,480
Oysters, market, public	3,500	750			3,500	750
Oysters, market, private	31,500	6,750	2,548,686	450,864	2,580,186	457,614
Scallops	268,740	83,864	2,100	681	270,840	84,545
Winkles	3,500	700			3,500	700
Total	8,192,915	950,357	12,342,412	868,501	20,535,327	1,818,858

Summary by counties

County	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Bristol	69	64, 247	862, 339	$177, 871
Kent	214	61, 121	590, 610	175, 065
Newport	616	768, 683	15, 004, 725	905, 281
Providence	108	106, 328	1, 976, 894	317, 599
Washington	169	135, 188	2, 100, 759	243, 042
Total	1, 176	1, 135, 567	20, 535, 327	1, 818, 858

CONNECTICUT

In 1924 Connecticut ranked third among the New England States in the size and value of her fisheries. There were 1,298 persons engaged in it, including 574 on fishing vessels, 17 on transporting vessels, and 707 in shore or boat fisheries. The investment amounted to $1,593,472, which included 130 fishing and transporting vessels, valued, together with their outfits, at $1,010,667; 385 motor boats valued at $263,075; 511 sail and row boats valued at $25,605; fishing gear and apparatus valued at $61,304, and shore and accessory property valued at $232,821. The products of the fisheries amounted to 25,769,516 pounds, valued at $2,006,658. The most important products were oysters, 8,020,292 pounds, valued at $1,326,056; flounders, 4,415,927 pounds, valued at $197,507; lobsters, 701,647 pounds, valued at $240,809; and menhaden, 5,270,020 pounds, valued at $56,437.

Fisheries.—The yield of fishery products by vessels totaled 15,878,216 pounds, valued at $1,495,943. The yield by dredges amounted to 7,753,718 pounds of oysters, valued at $1,282,100, making this by far the most important gear operated in the vessel fisheries. Otter trawls were next, with a yield of 2,046,360 pounds, valued at $94,581, consisting mostly flounders. Purse seines followed, with a yield of 5,387,150 pounds, valued at $65,245, which consisted largely of menhaden with lesser amounts of mackerel and squeteagues. Lines, harpoons, lobster pots, tongs, and eel pots, named in order of importance, took the remainder of the yield by fishing vessels.

The yield of the shore and boat fisheries amounted to 9,891,300 pounds, valued at $510,715. Lobster pots produced the most valuable share, consisting of 684,923 pounds of lobsters valued at $233,950. Otter trawls were next, with 2,397,165 pounds, valued at $103,257, consisting almost entirely of flounders. Tongs were third, with a yield of 5,520,217 pounds of shells and shellfish, valued at $31,581; dredges took 160,299 pounds of oysters and scallops, valued at $26,218; and lines yielded 313,292 pounds of various kinds of fish, valued at $24,477. Gill nets, rakes, pound and trap nets, haul seines, fyke nets, eel pots, harpoons, spears, purse seines, dip nets, crab pots, and minor apparatus, named in order of importance, took the remainder of the products in the shore and boat fisheries.

Wholesale trade and industries.—In the wholesale fishery trade there were 17 establishments, valued at $299,100, with cash capital of $75,500 and employing 357 persons, to whom $228,659 were paid in salaries and wages. There were also two establishments engaged in manufacturing by-products, the details of which are included with the statistics for Rhode Island.

The following tables and summary statements present the detailed statistics of the fisheries of Connecticut in 1924.[16]

Yield of the vessel fisheries of Connecticut in 1924, by apparatus and species

Species	Purse seines		Lines		Otter trawls		Harpoons	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod			392, 587	$23, 650	14, 600	$727		
Flounders					2, 002, 660	92, 180		
Haddock			2, 100	105	27, 550	1, 395		
Hake			500	20	500	16		
Mackerel	157, 514	$8, 739	4, 400	240				
Menhaden	5, 225, 220	56, 000						
Pollock			30, 100	1, 205				
Squeteagues	4, 416	506						
Swordfish							43, 022	$7, 390
Tautog			225	18				
Tilefish			200, 130	14, 170				
Scallops					1, 050	263		
Total	5, 387, 150	65, 245	630, 042	39, 408	2, 046, 360	94, 581	43, 022	7, 3 9

Species	Lobster pots		Eel pots		Dredges		Tongs	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Eels			400	$60				
Lobsters	16, 724	$6, 859						
Clams, hard							800	$300
Oysters, market, private					4, 079, 362	$668, 536		
Oysters, seed, public					222, 740	33, 800		
Oysters, seed, private					3, 451, 616	579, 764		
Total	16, 724	6, 859	400	60	[1] 7, 753, 718	1, 282, 100	800	300

[1] Includes 17,742 bushels, or 124,194 pounds, of market oysters, valued at $21,907, and 25,342 bushels, or 117,394 pounds, of seed oysters, valued at $20,842, taken by New York and Rhode Island vessels in Connecticut waters.

[16] For statistics on persons engaged, vessels, boats, gear, and investment in the fisheries refer to page 297.

Yield of the shore and boat fisheries of Connecticut in 1924, by apparatus and species

Species	Haul seines		Pound nets and trap nets		Fyke nets		Lines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	54,838	$1,175	42,300	$1,016	1,175	$33		
Alewives, salted	11,662	275						
Bluefish			81	16			17,160	$4,498
Bullheads			50	3	750	46		
Butterfish			5,650	442				
Carp	26,753	3,752	2,200	300	4,880	546		
Cod			200	10			112,100	5,605
Eels	30	3	6,130	630	10,058	1,405	100	20
Flounders			43,407	3,415	6,865	563	2,200	150
Haddock							3,800	190
Hake			200	4			1,600	64
Herring			100	2				
Hickory shad			1,900	83				
Mackerel			18,970	1,859			89,376	6,541
Menhaden			43,800	428	1,000	10		
Mummichog	1,500	400						
Pickerel	100	9			455	53		
Pollock							18,100	736
Roach or shiners	1,000	4			1,110	51		
Scup			1,750	176				
Sea bass			50	9			3,100	460
Sea robin			25	1				
Shad	18,974	3,845	2,779	736				
Skates			200	4				
Smelt	6,300	1,610	1,000	200				
Squeteagues			32,699	4,172	25	3	3,695	621
Striped bass			1,485	382	10	2	50	12
Sturgeon			100	25				
Suckers	38,990	2,545	9,800	694	70,884	4,785		
Tautog			10,400	636			62,011	5,580
Tomcod			50	3	140	4		
Whitebait	1,005	195			600	36		
White perch					50	6		
Whiting			2,000	40				
Yellow perch	860	73	175	12	2,361	252		
Squid			16,630	484				
Total	162,012	13,886	244,131	15,782	100,363	7,795	313,292	24,477

Species	Purse seines		Gill nets		Dip nets		Otter trawls	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives					500	$10		
Carp			5,500	$660				
Cod							19,400	$980
Flounders							2,360,795	101,199
Haddock							15,500	750
Hake							200	4
Mackerel	33,600	$2,688						
Shad			66,730	16,208	325	66		
Smelt					4,000	600		
Sturgeon							190	54
Crabs, hard					440	28		
Scallops							1,080	270
Oysters, market, public					210	90		
Total	33,600	2,688	72,230	16,868	5,475	794	2,397,165	103,257

Species	Harpoons		Lobster pots		Eel pots		Crab pots	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cunner					200	$10		
Eels					68,440	7,073		
Swordfish	37,123	$6,506						
Crabs, sand							10,000	$250
Lobsters			684,923	$233,950				
Total	37,123	6,506	684,923	233,950	68,640	7,083	10,000	250

Yield of the shore and boat fisheries of Connecticut in 1924, etc.—Continued

Species	Dredges		Tongs		Rakes		Spears and minor traps	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Eels							[1] 27,300	$3,215
Mummichog							1,200	320
Clams, hard, public			14,416	$6,415	6,880	$3,290		
Clams, hard, private			1,536	768				
Clams, soft					44,350	12,155		
Scallops	300	$150						
Oysters, market, public	14,000	3,000	4,200	775				
Oysters, market, private	41,139	7,138	17,815	6,760	2,100	600		
Oysters, seed, public	87,360	13,430	73,850	8,703				
Oysters, seed, private	17,500	2,500	8,400	960				
Oyster shells			5,400,000	7,200				
Total	160,299	26,218	5,520,217	31,581	53,330	16,045	28,500	3,535

[1] Of this amount 27,200 pounds, valued at $3,200, were taken by spears.

Summary of the yield

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh	98,813	$2,234			98,813	$2,234
Alewives, salted	11,662	275			11,662	275
Bluefish	17,241	4,514			17,241	4,514
Bullheads	800	49			800	49
Butterfish	5,650	442			5,650	442
Carp	39,333	5,258			39,333	5,258
Cod	131,700	6,595	407,187	$24,377	538,887	30,972
Cunner	200	10			200	10
Eels	112,058	12,346	400	60	112,458	12,406
Flounders	2,413,267	105,327	2,002,660	92,180	4,415,927	197,507
Haddock	19,300	940	29,650	1,500	48,950	2,440
Hake	2,000	72	1,000	36	3,000	108
Herring	100	2			100	2
Hickory shad	1,900	83			1,900	83
Mackerel	141,946	11,088	161,914	8,979	303,860	20,067
Menhaden	44,800	438	5,225,220	56,000	5,270,020	56,438
Mummichog	2,700	720			2,700	720
Pickerel	555	62			555	62
Pollock	18,100	736	30,100	1,205	48,200	1,941
Roach or shiners	2,110	55			2,110	55
Scup	1,750	176			1,750	176
Sea bass	3,150	469			3,150	469
Sea robin	25	1			25	1
Shad	88,808	20,855			88,808	20,855
Skates	200	4			200	4
Smelt	11,300	2,410			11,300	2,410
Squeteagues	36,419	4,796	4,416	506	40,835	5,302
Striped bass	1,545	396			1,545	396
Sturgeon	290	79			290	79
Suckers	119,674	8,024			119,674	8,024
Swordfish	37,123	6,506	43,022	7,390	80,145	13,896
Tautog	72,411	6,216	225	18	72,636	6,234
Tilefish			200,130	14,170	200,130	14,170
Tomcod	190	7			190	7
Whitebait	1,605	231			1,605	231
White perch	50	6			50	6
Whiting	2,000	40			2,000	40
Yellow perch	3,396	337			3,396	337
Crabs, hard	440	28			440	28
Crabs, sand	10,000	250			10,000	250
Lobsters	684,923	233,950	16,724	6,859	701,647	240,809
Squid	16,630	484			16,630	484
Clams, hard, public	21,296	9,705	800	300	22,096	10,005
Clams, hard, private	1,536	768			1,536	768
Clams, soft	44,350	12,155			44,350	12,155
Scallops	1,380	420	1,050	263	2,430	683
Oysters, market, public	18,410	3,865			18,410	3,865
Oysters, market, private	61,054	14,498	4,079,362	668,536	4,140,416	683,034
Oysters, seed, public	161,210	22,133	222,740	33,800	383,950	55,933
Oysters, seed, private	25,900	3,460	3,451,616	579,764	3,477,516	583,224
Oyster shells	5,400,000	7,200			5,400,000	7,200
Total	9,891,300	510,715	15,878,216	1,495,943	25,769,516	2,006,658

Summary by counties

County	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Fairfield	442	658, 010	10, 761, 150	$869, 973
Hartford	51	4, 978	162, 084	12, 517
Middlesex	137	45, 465	344, 154	53, 575
New Haven	251	428, 726	3, 237, 691	554, 118
New London	417	456, 293	11, 264, 437	516, 475
Total	1, 298	1, 593, 472	25, 769, 516	2, 006, 658